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<210> 1220

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1220

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 aatcgaaaac ctttgctgaa tgcctctatg tgttatgccc agggctacat gctaagaata 480
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<210> 1221

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1221

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cagtagtaga actgttgata ggatttgaat tcctatagct atctatgcct tgataaactt 180
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acgagaatcg cttgaaccca aggggcanga ngtttgca 698

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<210> 1222

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1222

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gaacaattta ttaacaattt cttgcaacta tccagggaaa atataaatta taaaaaaga 180
aatccaaaca aatcagaaaa aaaatgaaat gactcaatag aaaaatggac aaagccattc 240
agtcaattta aaggaaagaa gttaaacagc cacgaaatgt atccaaaaaa tgtccaaatc 300
tacctataat taaagaaact acatcaggtg cttgaaaaga tttagtatag ttaatgttag 360
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gtttatagag ggcagactga cagcatttta ggtacatata cttgaaaggt agcatgattt 480
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<210> 1223

<211> 873

<212> DNA

<213> Homo sapiens

<400> 1223

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 aagcttttgc agatcctgag gtactccgga gactgacatc ctcagttagt tgtgcactgg 240
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 tggacactcg cagtctagca gaagcttggt cagatgggga tgtaaatgct gttcgtaaata 360
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 aacaccagtg caggtcatgt ggaagttgca agagtccttt anatcatggg cagcatnaac 780
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<210> 1224

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1224

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ggaaggccgg agcagcaaat ggatttctca tggaaagttg tgttgattca gtggaatcag  180
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tactagagac tcgggaatga agtttcgaaa tcatctggtg ncatgggaac ctnactttct  780
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<210> 1225

<211> 856

<212> DNA

<213> Homo sapiens

<400> 1225

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gcaaagatta catgacaagg aaaaaccaga aaagtatggc ccatacacag gtaaaaaaag 180
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 tcatcaactc ttttagatat gctagaagag ctaaaggaaa ccatggacag agaacaaaaa 300
 aattaggaaa gcaatgtctc atccaatata gaatatcaat aaagagattg aaattgtaga 360
 aaagaaccaa atagaaattc tggagttgaa aagtattata actaaaactg aaaattcact 420
 agaggtattc agcagcagac tggagaagtc agaagaaaga atcaacaggc ttcaagatag 480
 gtcaattaag attatacagt ctgaggagca gaaaggaaaa agaatagaaga aaaatgaaca 540
 gagcataaaa gacctctggg actctatcaa gcataccagt atatgcatga ggggagtccc 600
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 ccagctttga tgaaatacat gaatctagat attcaagang ctcaaagaac cctaaatagg 720
 gtaaactcag aagacccaac cggatgcaaa gtgactgggtg tgggtggcagt gccgggggtcc 780
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<210> 1226

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1226

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 tgaaaatgag ggtttcttaa ctacactga gagcggaag gggcagaccc ttttcataac 240
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 cactggcttt ctgccgttc atgtgctttg gaaaaagcag gagaagcaat agcagcagga 420
 gtccccagca gctggagccg caagaatgaa ctgcaaagag ggaactgaca gcagctgcgg 480
 ctgcaggggc aacgacgaga agaagatgtt gaagtgtgtg gtggtggggg acggtgccgt 540

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<210> 1227

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1227

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 cagagcgctg gcaacttctg acaggctggt tctgggggtat gggctgcctc ggggtgtgtc 180
 tgttacaagg aaagaaaaga gttcccctgc ccaccgcctc ccagccactg ggctacctcc 240
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 gcctgccccca tcacctgaat tccagagatg ccagtgtgca ctgaacccca ggcagggcgt 660
 gccaggacc ggatcctgga tgggtggtaan ggacaaagct ggaagggaga cttcagggaa 720
 ggagaaagga aagaagcana gccatgaccc agtcaactta canaatgctg ggagtcaaaa 780
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<210> 1228

<211> 888

<212> DNA

<213> Homo sapiens

<400> 1228

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agctacaaca ttttcctcct cccctccctc cccaccagcc ccttccccac caagaactgc  180
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tgtttgcaag gcatttcacc agaatacagc tataaacggc cgctcccaac aactgggctc  300
tgactcacc acaccactt agtgtccact aagtagtcca gggtgactca gttaaagcac  360
atctcaggtg aggtcactct gcatatacct tggcttacct gaaatagcct gaacttgaat  420
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gcagaaatca agagtccttg aggagaacac gtggatcata ccaaaccag ggtttaaatc  540
cattctgctt aagagttcta tcagtcagtt taaccataaa ttacgtaca gaaacaaaca  600
acccaaaaac ctgagtggct tacagattta ttttcactc acatgtttgt aatgatccat  660
cttggttgta atccatattg cttcagcacc cagtctaaag gagcagcctc taaggggggc  720
atgttggtct taaganggaa aagaaagggt ggaaccacat gatggctctt tcattctccg  780
ctaggaaatg ataccttta ctttcatgac atttcattag cccaacaag tctgtgacag  840
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<210> 1229

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1229

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 naggatcaga ctttttaaat gtttggaatt caagatactt taggaagagg accaactctg 360
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 gtgggtggacg ctaatgtcgC cgCGcanagc ggggtcgccc tgtcccgggc ccactttgag 480
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 gacaaagaac aaggcaacga gaagaccaac aacggnactc actacaagtt acagctcctc 660
 tacagcaacg gtgtccgcac ggaacaggac ctctatgtca ggctcatcga cttcggtcac 720
 caagcagccc atcnttccan ggacagaatt agaatcccga aatgtgccga gttcttctga 780
 cgcacgaagt ggatgcgtan gtccaatgct 810

<210> 1230

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1230

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<210> 1231

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1231

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<210> 1232

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1232

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ggtggctaag gagagctca 679

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<210> 1233

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1233

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gccagtccct ctgggatggg tcccagggat gtcgtcctta ctcgggcctn ccaccttcac 600
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<210> 1234

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1234

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 tctttgtaaa gggatgtaat ctcaaactt aactttcaag ctgccaggct tggnttgctt 660
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<210> 1235

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1235

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<210> 1236

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1236

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tgaagtttgt gtcagtaagt ttcattgcaga aatttatatt gaccatgact tacaagtta 300
tgtccttgtg gatcaaggca gtcaaaatgg cacaattgtt aatggaaaac agattcttca 360
gccgaaaact aaatgtgacc cttacgtact tgagcatgga gatgaagtca aaattggaga 420

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aactgtctta tcctttcaca ttcatcctgg cagtgatacc tgtgatggct gtgaaccagg 480
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aagtaaggag gaaaaagagt tggaaagaag aaaagaatta aagaaaatac gagtaaaata 600
tggtttacag aatacagaat acgaagatga aaagacattg aagaatccaa aatataaaga 660
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ctnctgcatc tggtcattct gaaattctga tagcaacaaa ggtccggaag atgttggaga 780
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anttnacttc gggaacacat ca 862

<210> 1237

<211> 729

<212> DNA

<213> Homo sapiens

<400> 1237

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gagcaattgt agtttgaatg gaatgggtca gcacttgggtg gcagcagggg tcttggttat 540
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ctgnctcgct gcgttttggg gcctgaaagg cttgggtggc atggtacctg gagtactggt 660
gtcggagcnc aaagtgagga gaaaagacca ctctactttg tgggaaggcc ttgggcantt 720
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<210> 1238

<211> 620

<212> DNA

<213> Homo sapiens

<400> 1238

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atcaagacca gcctgggcaa gtttgagaga ccctgtctgt gttagttcat tctcatggtg   60
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gttccacatg gctgagaagg cctgaggaaa cttataatca tgggtggaagg cacctcttca  180
caggggtggca ggagagagaa tgagtggcaa gcaaaggggg aagcccttta taaaaccatc  240
acatctcatg aggactcact tactatcatg agaacagcag ggggaaactg cccctgtgat  300
tcagttatct ccacctggtc ccacccttga tacctgagga ttattacaat tcaaggtaag  360
atttgggtgg ggatacagaa ccaaaccata tcaactgttat ctacaaaaga ttttttaaaa  420
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agaacttttg agctcaggag gtcgaggctg cagttagcca tgattacacc actgcactct  540
agcctgggtg acagagcgag agaccctgtc ccaaaaaaac aaannacana aaaaaacccc  600
aagctaaaaa atttatatac                                     620

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<210> 1239

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1239

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ttactgctgc ctagaaaagg gtgtatgtgg ttaggagtaa taggtgaggg tgaattcctg  180
ggggacatac tgagttagct gcgggatacct gatatttggc tgagagtcta agaaattgtt  240
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aatcaagagt aaattgggaa agttccatag gaagcctaag cactcatctt aaccttactt 360
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<210> 1240

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1240

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 cctgcttcac aaatgccaaa ccattttagt ttctgtataa tggaggcatt tttttcctct 180
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 gatcaacaga tatattcatc aaaccacac acgagatgag aaaccagac tcaaaagttg 360
 aggggaggag aagtgtctta ctttgagaag aaacaacaga aattaagctc aaatgtctta 420
 taaaatgaat cctgaataat ctttttacat tcaaacattt tgacagtttt tgggcatgag 480
 aggaggagtg aggagtttat ttggagccta aattatctcc aaattgtttg tttgctatta 540
 aagggtgtaa agagaagtaa gcaaaacaaa aataaaattc cactggctct ccactatgga 600
 tgagaagttg cacaaaggcc tanctgtttc gttggtggag agctacatgg ctgcccaggt 660
 tttgcaatag aacttanaga atggccttat atgggaatta aaggatggga agccaaatgn 720
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<210> 1241

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1241

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taccagaat ggtcaaattc atacagacag aaactggaat agtagttacc agggactgtt  180
tggtggtgtt cggggtggga gtgggtgtta agtttctgtt tgggaagatg aaaatgttct  240
ggagacgtat agtggtgata gttgcacaga aatgtggatg tacttaaaga cactgcatta  300
tacttgtaaa atggttaaaa tagtaagttt gatgctgcgt atactttacc agggtaaaaa  360
caatgcaaga gaaagattgc cagtgcatgc tgaaaattaa gattactagg aggatatTTT  420
tcactcttga gactaatgac aacaattgaa tgttgggaag cacagtatgt gggagtgtgt  480
aagtgggtct tgctagtagg ggatgtcact ttagcaaaat ctgttggaag ttgcttatct  540
tttgtgtgta ttaacatgaa gattttctca gttgaataaa acaagttaaa gaatactttc  600
tttgttgtaa aacagcatat ttatatacat ttataaatgc nntaagttct anaaggatca  660
tgagtaaaaa tatgaattta aaaattaaag tcacagattt aggtgntgca cctacctacc  720
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<210> 1242

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1242

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ggcctTTTTT tttttttttt tttctggaga cggactctcg ctctgttgcc aggctgaagt   60
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cctcagcctc ttgagtaact gggattacag gcgtgcgcca ccacgcccgg ctaattgttt 180
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 ttgtttgtgag gttacaatga aaaagcataa tgacttttta aaaaatgact caacttgata 600
 aaaatacaaa atactgcctt tattcaaaat gaggcagaga tgaataagga gggaattttg 660
 tcccagttaa atatttattc catttaaaact actcaaaaagt ccagttgccc caataattaa 720
 taattttcac ttcccaaac caccaagcaa ggngcactgg cattctcacc tgcgggacct 780
 atgtttccca ttccgatgcc tttanttang 810

<210> 1243

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1243

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 ccctaccccc tcccgcctcg ccaaagtgtg ttgtacactg cttgtctgtt ttcatctcca 180
 cgtgtggggt cactgaccac attagctggt agctcctggt attgtatgct tcctatccag 240
 aatttgttcc atagaaaacc tgtgtcttca acatacttgc tttgaaatta ttttgatctg 300
 tatcagcagg aataggtttt gagatcctgg atattaactt ctgggtgcca ctctctctag 360
 aagctaattg actgatttgt ggtggaggcg agatgagagt ctatacattt gacctatttc 420
 acagagctta ccttgcaagc tattgaaatg caaatacaga ctagcttaga gattctaaga 480
 attcacacat tcagttcttt gttttttctt gaaaaataag cattcaaatt tcatgcacat 540
 tctattattc atgtgcctta tatttaggtt ccgcttgtat gtctagataa atcttatcac 600

cattattttaa aatttcatga atgaaacttt gcatctttaa tactaacact agcctagacc 660
aatcaaaaata atttgaaatg cagcccttaa atgaactnct ncgngtgtct g 711

<210> 1244

<211> 628

<212> DNA

<213> Homo sapiens

<400> 1244

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tgtgtgtgtg ttggagtttt gctcttgttg ccctggctgg agtgcaatgg cacgatctca 120
gctcgctgca acctctgcct cctgggttca agcgattctc ctgccttggc ctcccgaata 180
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taacaagcat gccagatgat tctgatgtac actcaaagtt tgggaactgc tgttaagaga 480
ggataatgaa agttangcag aggaaattag atttgatgtg ctcataagca gggatccata 540
naagattttt aatttttatt tttaatcat ttacttattt tccatgtntc caagtcacga 600
accanccatg ggcacagacc aagaccaa 628

<210> 1245

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1245

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gcactctgga ggaccacact cgttttcttt ttggctgcca gaggcccccg catccaccgc 120

tgagctggga gaaagatggc ggcagccgtg cgacaggatt tggcccagct catgaattcg 180
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 aatgtcagtc tcgtgatctc gcggcagttg ctgactgatt tttgcacaca tcttcctaac 360
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 caaaaacagt acaatgtaga ttataaactg gagacttact tgaagattgc taggctatat 600
 ctggaggatg atgatccagt ccaggcagan gcttacataa atcgagcatc gntgcttcag 660
 aatgaatcaa ccaatgaaca attacngat 689

<210> 1246

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1246

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 attttgtggt gaacacgctg gagccgcgga ggaagaagat gctcggaaaa gaatcctgtg 180
 tccttttagat ccaaaacaca cagtatatga agatcaacta gcaaagcatt tgaaaaaatg 240
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 ggaaaagtta attaagaaat tgagaaaagc aagtgaaggc ttgaattcta cacttaaga 420
 tcatattatg tcccatccag cattacacga tgcacttaat gaccctaaaa atggcgattc 480
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 tttgttcatt tgttaaaact gttttaaatg taattattaa taagatttta ttttgtttac 600
 ctttgagggt accaaatatt tccatttcaa aaatatatag aaacatatac aaaaaattga 660
 gggcatggat gtgattctga gtaccgtata ttaaataattt aaaggcaaga gagaaaaatt 720

ttaagtcaaa taccaattat caatgtaagc atactggctt atgcagaaat taccctgctg 780
gtttccattt gaacccaatg ngttactcta gtttataaaa taatcntgng aagtttgag 840
ctttt 845

<210> 1247

<211> 821

<212> DNA

<213> Homo sapiens

<400> 1247

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gctccagttt acagctccca gtgtgagtga cgcagaagac agttgatttc tgcatttcca 120
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<210> 1248

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1248

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tggaatattc agaaaatgat cacattacaa atgatcactc tagcttccat gccactttcc 540
tgaaatgttc ttgccagtga gaaatcatca cttcttcctt ggaatttcta aatattttat 600
tgntcaaagg cgtaattctt tactaagttg taaactcatt gagataaaga actatagtct 660
gnatatctgt tgnctcaaaa agtgtttttac acatag 696

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<210> 1249

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1249

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tgtgcagtct gaaatgaatg gtgcattctc atttgttttt caagatagat taaaaatcca 180
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 tctctttttg gatgactccc catttttacc tctgggtctg atctctttct caacctctgg 720
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<210> 1250

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1250

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 gtgttattga caagcacang ccctgcaagg ggactgtggg aagttaggca tgaatctggc 780
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<210> 1251

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1251

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tctcaaaagt gctagtagta aaaccgaggt ccatatcaga cccaagtctt ggattgagga  720
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<210> 1252

<211> 792

<212> DNA

<213> Homo sapiens

<400> 1252

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gggtgaggat ggactccttg aacagtcttg cactgaggag agtggtgact gacatatttg  120
gactcttcta ccttgtctgt catggtctaa tgcatgtctt ttctgggtgt ggtttctttt  180
cttttttttt ttttttcttt tttcgagact gagtctcacc caggctggag tgcagtggcg  240

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<210> 1253

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1253

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 ggactatgca taggcaggat gtggttagga ttgtgggtga gtacctact ggcatgcatc 180
 accaacagcc aatagctgtt ggtggctaca aggtgactct gggacagatg catggccttt 240
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 aaatgcttag tcttctgaa gagcttgctc gaatgtacag agatgacatt acaatcattg 420
 tagttcagtt caattctcat gttgtagggg cgtatcaaaa ccaagaatag tgagtggctc 480
 tttactggc aattctcaaa tgatatacat ttaaagggca gattttttaa aaagatacta 540
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<210> 1254

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1254

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tgcccttttat ggatacataa tgcttcagtt gtttactgct aaatgaaatg taaaagtata  180
tattagacta aggaatagtg tacaaaatag atctaaatac aaaggaaatt gtgttctgtc  240
tgaaaatttg tagatgggtc taaattaaca agaataaatt aagaaggata tatacacact  300
catttatacc ctgtgcgta tctcacatat gtgaacacac acaccaaata cactgaaatg  360
tccatattta gtgccaaaaa ttgtgatgaa aaaccagtgg gattatcctt tgtaatagct  420
cattctttta gttgcatttc aataaggcat tgctgtgaat ccagaggaga ttgtcaatta  480
cagaattttt ttcatgatct agtatttgct tggcgctca gagaaaatgg ttgntcatct  540
ctgccccctca ctgntcatgt ttgggactat tggttggctg cgccagtaga gcttattctg  600
ataagctcac caaatctcag gagtancctc ctttcaataa cttcacactt gngcatgtgg  660
cttaantgaa cttactgggg actca                                           685

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<210> 1255

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1255

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acccgcgccc ttggtcccgc ctcggagcct cggccccagc tccggccccg acacgggagc   60
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ccctcaggct ggccggggccg cctgtggctg gagaaagccc cattgtggcc tgagtgcgcc  180
ccgcagccag tcgggatttc tctcgcagag agaggccttt gttcgcctca ccccatctga  240

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ctgccccgtg ctctgtccca gcctcatttg ctccccaagc cccaacctgg gttcctgctc 300
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 ggaaatctct gagcttggcc acctgccctg ggggaggaga cgcgaggcct gcgcacccca 420
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 gtgtgacatc cctctcctcc accgctgcct ggggttgggg gcagtcgggg cagtcaggcc 540
 aggccaggcc acccctgggt gaagagggca ttggggccag aagggtctga ctgaccacct 600
 tcaaagtttc tggctttagc tgtcccgcgc agcagaatat aaagtgtga aaccagaacc 660
 caaaactggg acgcaagggc caaaaccttg cgcaaggggc caaccgggna atcgggncac 720
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<210> 1256

<211> 561

<212> DNA

<213> Homo sapiens

<400> 1256

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 ttaatatggt tatataatag aaacagtacc acacattgta actaaattat actatgtatg 180
 cctacactac cattgtaact tttggaataa tgattatact atttgcctta ttgctttttg 240
 aagtatgggt attttagtgc atactttgta gacctcaaaa cccatgaagg gtctcaaaga 300
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 ttagactctt ggtttttcat ttctccccgt cccttcccca cttttttaaa gtaagccaca 480
 gcttttctga ttgaaagagt gaaaggccag tgcatataat gacaaactga tgataacctt 540
 atattggcag tnnngggggg c 561

<210> 1257

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1257

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ttactaaatt cccatttttc cactttaagt tgtgtggctg gtaatagcgt ccgccttctg   180
atataagtca tagcatgcaa catgcacttt gcaagtgcac tttgcttgaa tattttgcaa   240
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caaaaacact tcacagtgcc atggctgggc ttcatagtag tcagctcttg actttgcttc   360
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atttcttttt aattnttate ttactttntt ttttttttaa gctaaaggca aaaagaatgc   660
acatacttat tttaatggga ttagaaaaat gagttgttcc ctggtaagct tgacccccag   720
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<210> 1258

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1258

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agacataaga gcaaaactgg agtcgctgac cattgagaag taagcatttt tagggaggca   60
agtgttgatc agaaaggatc ttgactacct ttgaacttga aggtcagaat gtttacacaa   120
gactcagtag aagtgaagag aaataaagtg agataagttg ttcactggag agcaaatttt   180
gaaaatagaa caattccaag ggatgataag ttaccttgt ggccctccgc ttgaatagca   240
ggtagagaat acagatcaaa gtcttagaat gaaggtcaag agtgtgtgaa accagagagt   300

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ttgaaggatc accaacaatgt tgtgatggag tgggctacag ttcaacacat ccctgttgcc 360
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 aatagaattt accttatttt ccaaccagat tatTTaaatg ttttgcagaa gtgagtattg 480
 atttactgaa ctgttcttta ataatcacag ctggaaattg caaaagatca tcaactatga 540
 aactatataa atagaacgag ataaagaaat gggaaagtgc cttcttcct tagttctcta 600
 ttcagttggt gaagaactgt aataaatctt attgaaatct agagttttta attaagaaaa 660
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<210> 1259

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1259

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 agcgacagcg cagtccaaga ccttgcagga tgtctcgccg caagcaagcg aaaccgagat 180
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 gctgcctcca ggtgtttgaa tcgctgagcg atatcacaga acacaagatt aatcaatgtc 360
 aactgacaga tggagtggat gttgaagatg atccgacttg ctcttgcca gcttctcac 420
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 aagaagtacc actgcagtga atgtgatgct gcgttttcca gaaatgatca cttgaagatc 720
 ccttaaagga cttacacgtt caacaagncc ttntaaatgg ggccanttg tcc 773

<210> 1260

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1260

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aaattgctta ttaagcctca ggtttcttca cttacaaaat gaggataata attgcacctg   60
gtccacaggg tcatgacatg gattcagtag aaagctcagc agtgtacctg acttaacagt  120
tgttcacact aagatcttta aactttacaa tggtgaaaag gcaatatgca ttccatagaa  180
ctcatacaac cattttggtc ttaactttca gtaaaatatt caataaatat tcaataaact  240
aattcaaaaa attactttat tacaaaatag gctttgtgtt agaggatttt gcccaactgc  300
aagctaattg aagtgttctg agcacattca aggtaggcta ggctgagctg tgatgttcag  360
tggattaggt attaaatgca tttttaactt acaataattt caacttataa tgaatttatc  420
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tcatccccac aagacagata tagttctgca tttctcatgc agattctaca ggcctttatt  540
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atggtgggta gaaatittat tttagcttaa aaaattaatc ttataaaatg cctgctgaca  720
tttcatgtaa gaattcttta ctcaattcat gnttttctct tcttncctgt ggagtatatt  780
tattgactgc anatggaagc                                     800

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<210> 1261

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1261

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gtcatggact ggaagttaag aacttcaca caataacaaa aattatgggc cagacacagt   60
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agagttcaag gctgcagtga gtggtgatgg agccatgcac tcagcctggg cgacagggta 180
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 gtgtgagcca ccactaccag ctgagaactg tgtgttctta tgctccgtgt gctacttata 660
 tctcagacaa cgaccagatt ttttaccata ccaagtnaaa tagtaaggag aagggaact 720
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<210> 1262

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1262

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 ctggggagaa agcgctctgg aggccgctgt gcaccccttc ctgcagggtc cagactggcg 180
 gtgtgatgtg ggtttattgc cttggcctga ggcaggtggc ggctgcttct ctcggagttt 240
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 cctggccgcg ctcgggtgtc ctccttcggc ccagatttgg ggatgggaat tcctaattga 480
 gaaatcgctc atttgcatag tcagtaccct cagcctcct aagtgtagcc tcattatcga 540
 cacagacgcc tgcagagtcg nttctctata atgcaaattt tgcacgatat ttttgaacaa 600
 cgtttttgag ttatcatagt aaatgaaaag gcaattacta gttatttang aagaaggaaa 660

tggtttgaag tagagataac ttttttacct ctgggggggaa aaaaaggcna atgacttcag 720
 attccatggg caggtcaaaa tcagaactgg taagatttct gcatatctgg ggagtatcnc 780
 attaataatc attttcctga aaattacnct cttcttaatt aaactggant tttgcattaa 840
 aaatgtgaag ata 853

<210> 1263

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1263

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 cgggcctgtg cccacagacc taggtgaaga caggcactcc agccttcacg tccaaatgtt 120
 gcatttccca agaccacttt gaccgcgccac gccccattc tgtgcctata aaaacccccaa 180
 gaccctagca ggaagacaca caagctggat gccgagagaa acacattggc gaaggaatac 240
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 attgagctgg ttaacagaag ccgcctatgg acggctaaac taaaagagca tcctgtaaca 600
 tatgccact ggggcttcag ctgtaaacad ttaccctag acacttgccg tggggctcggc 660
 gcctnacagc ccgncgtgtct gnatgctccc ctagagg 697

<210> 1264

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1264

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agtgtaacaa taatagttaa gcatatggaa taaaactaaa gatcagtgtg acaataatag	180
cgaacatat ggaattgtga aggaaaataa ataggtttag tatacacaag aacatattgc	240
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gagagagcac gctagctctc angatgggga tgttggggag gaggcctaga actgggtttc	660
tcctctgtgt aatctactct ctctttatcc tcctcccaga tcctctcacc ctggggagaa	720
gactcttaga gaacttggt caaatgcata ttcttagcc acccccttct gaattcccgg	780
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<210> 1265

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1265

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tatagtgtat ttgacaaact tttccacttg tagactcagg taggcctgct tgacctctc	180
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 tttttttttt ttttttttgg anacagagt tttctttggn ttccatttac ctgaagtaat 780
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<210> 1266

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1266

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 aatcccaaag tgctgggatt acaggtgtga gccactgtgc ccagccaaat attagaactt 180
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 ggattatgcc cttgggtgaag gcaatcacag ggcttaaccc tgaaggcgcc catactgact 780
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861

<210> 1267

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1267

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gaccacaggt gtccagctaa tctggttttt gtttgttgta gatactgggt ctcccatgt 180
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cagtgagccg agattgcact actgcactcc agcctgagtg acagagcgag actctaaaaa 660
aaaaaaagaa aaaaaaaaaa actctggaga gataaacagg cagatacaaa gaatcacac 720
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<210> 1268

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1268

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 caagcccaaa atcaaggaac cccctgggag tgaggaattc aaagatgaaa ttgttaatga 660
 ccgagattgc tctgctgntg aaaatggtac acagcccgtt naagatgtct gcaaggaact 720
 gaacaaccaa gancagaatg g 741

<210> 1269

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1269

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 tatcaggtta aaataatggg ttataagata gtattcgcaa gcctcatggt aacctcaagc 180
 caaaaacaaa caaacaacaa acaacaaaaa aacacatagt ggatacacia aaaataaaaa 240
 gcaagaaact aaatcatatc cccagagaaa atcaccttca ctagtggagg ataggaaaga 300
 aagaaggaag agaagatcac aaaacaacca gaaaacaaat aacaaaatgg caggagtaag 360
 tccttactta tcaataataa cattgaatgt aaatggacta aactctcccg tcaaaagaca 420
 gagactggct ggatgaaaaa acaagacca ttgattgttg cctacaagaa acacacttca 480
 cctatataga cacacacagg ctgaaaataa agggatggaa aaaaatattc catgccagt 540

gaaacaaaa aagagcggga gtagttatat ttacattaca tacaatagat ttcaagacaa 600
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<210> 1270

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1270

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<210> 1271

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1271

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<210> 1272

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1272

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<210> 1273

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1273

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787

<210> 1274

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1274

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<210> 1275

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1275

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atttacgaat aaatttaaca aaagaaattc aaggctatac ctgaaagaca taaacattgt 720
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<210> 1276

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1276

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aaattttttt gtccaacaac atcttggaca gttctcattt atgtcaacat gcctggtcct 540
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 gtaagaaagc cctggcaaaa aagctgagag gtctggtgca atggatcacg cctgtgatcc 660
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<210> 1277

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1277

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 ttataaaaat aaattatacc ttctaatagt aaggaaattg cctctgccag tttttgntgn 420
 ttaatttggg ttaatttcaa acattaaaat agcacattaa ttgatcaagg aatctcaatt 480
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 gacaggagac aaccatcttc tagaggaaga acttttaaaa caattatatt aattccattt 600
 ataggaaaaa gaataattca tagaaaaatt aatgggtgcag tcctaaaagc atgttccagn 660
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<210> 1278

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1278

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catcaatagg acatggntct tatacttcat aaagcataga aagcaaaaag aactgcagtt 720
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<210> 1279

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1279

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 tcacacctaa caatccatgg tgagtctttc tggngggctc tgcttatgga cagagcaggc 720
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<210> 1280

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1280

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<210> 1281

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1281

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<210> 1282

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1282

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<210> 1283

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1283

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<210> 1284

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1284

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<210> 1285

<211> 883

<212> DNA

<213> Homo sapiens

<400> 1285

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caggaacact ccatcagtgt ggatctggat agctccctgt ctagtacatt aagtaacacc  180

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<210> 1286

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1286

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 cttttgtctg tcttgggagt agaataaaag cagattctga gcatggaccc tgactttcag 720
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<210> 1287

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1287

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 gggctgagcc gccgccagag ccgacagccg agcagccgct gggcgctccc gcggcgcagg 180
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 gtccttcacg gactggatcc catcaaagaa ccttgaagaa gtggcttgcc cttgctggac 720
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<210> 1288

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1288

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aacgtggaag ttggtccgta cttctacaat cctactggcc cagcctgacc cccatgtgac	180
agctttgaga gttttcatgc agttggagac aaacacaggt caatgacaac aactacagca	240
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tcctcagatg agcccatgtc taaagctccc atggccaaag acagttacca gcttctcacc	420
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agggtggcctc aaattgttca ggaactcgaa aagcacatgt ctgaaggggc taattgtagt	540
gataggaaac tataaaagta aggatgttgg attagaagtt agctgatcat caggagatca	600
agaccagctt ggccaacatg gtaaaactcc atctctacta aacatacaaa aattagctgg	660
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tgaacctaaa ang	733

<210> 1289

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1289

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tccttctctgt ggtgcctctt tatagcctca ccacctgct aacactgagc atggtgagga	180
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 aacattcttg ccagagttct tgggaaacct ggttttttct ctactctnca tctctgctgc 720
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<210> 1290

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1290

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 aaccgtacag ctacagcaca gcgttatagc gctcctggca gacaaccagt cctgctgcag 180
 cgaggtgggg acaaggccgg gagcagctca ctcccagta gaggccatcc gatggcgcca 240
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 tgtgctggtg gccgggangt ggtggcaagg ctgactacct gccattttcc tgcagtgcct 660
 aagcccagga aaggagcag cccccggtca ggaccaact gaggacaccc catcctcatg 720
 gaccttggtt ccgnttttcg nccccacaa atgggcttcc aacataactt tccccgangg 780
 cttctttctt ttccaaaca 799

<210> 1291

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1291

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aatgtagaag aggtactaat gtgtgtcatg aaaatctatt ctagattcgc agataactct  180
agttcccccg tgcccccttt atgatttaaa atcctacctt aatagaggat ttttgtccta  240
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gcatcagtga ttttattatt tctaataatt aaataataag taaaagtgac taccactcaa  360
tgtggaaaac ttggaaaata caaccacaat ttggagaata aaatcaccaa aaagtctcac  420
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aatgtccata gccttttaaa gatttccctg atgttggatg tttagattgg ttataattta  660
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actatcttaa gaatagattc cagcagtaga ctatttttta aggatcctta aaaaggngta  780
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<210> 1292

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1292

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ggaggcagcc ggacattttt aaatttcaag ggaaacacag tgacatttgc cagctaccat  180

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gcaaactgcc gttattaaat tgttttagacc cattagggcac ttgctttggc ctaggtccag 240
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gctgggcacg gtggctcacg gtggtaatcc cagcactttg ggaggccaac aagggtggat 420
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ccagca 846

<210> 1293

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1293

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tggaagaat tgcaaagtct gtatcttttag taaggatggg accttgtttg cctggggcaa 180
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atcacctgga cccaacat acaaggtggc tgtctatgtt ccaggaagta aaggtgcacc 600

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 taaaagtttc ttaaggcag ataaagttac aatgctgtgg aataaaaaag ctactgctgn 720
 gttggtaata gctagcacag atgttgacaa gacaggactt tctactatgg agaacaact 780
 ntacactaca ttgcaacaaa tgggagaaag tgctgtantg caattaccaa aaaatggccc 840
 atttatgatg t 851

<210> 1294

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1294

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 taaatgtttg catgaagcca tctttagaac gtcagatggc ctctcttcaa ctggaatgac 780
 aagagctgaa agaaatgtgt gaccacgan gacaccgaaa ccgatgaatg acatgctgag 840
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<210> 1295

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1295

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gacagtgtga gactccatct nagaacaaaa agaatacagg atagggatgg tttgcaggat 720
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<210> 1296

<211> 634

<212> DNA

<213> Homo sapiens

<400> 1296

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acacacacac acacacacac acacacacac atacgcacac tccatgtagg cttagtaagc 240
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<210> 1297

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1297

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<210> 1298

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1298

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acatatatcc aaggagtatt ccagagagca gacctattta tgaataattt taaaagtaag  180
cagagaaagt actctgtttt aaacactgta tacagtgttt gaatttgaat cattttccac  240
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agtgtttttc gagtgaaagg cattgtgcan tgactttgnc taccttatct tatatagtct  720
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gagtta                                           786
    
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<210> 1299

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1299

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<210> 1300

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1300

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 tcaataattg cagttagctc tattatcact taagtaactt tattaccaat tngtctatat 720
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 ca 782

<210> 1301

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1301

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 gcaggatttt cattagatcc tcaaagagtt ctgtgacccc caccctctcc ttctaccttg 720
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<210> 1302

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1302

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aaaaaaggcc atttactcca tctatttgat ggtatacttg gtccttacag gaatctcatt  720
ttttggatct aaacattttc tttgcctanc acagtgttgn cagaaaaggg tctgcantgg  780
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<210> 1303

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1303

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agcctcccca gtagctggga ttaaaggcat gtgccaccac gcccggttaa ttttgtattt  180
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gatctgccccg cctcagcctc ccaaagtgtc gggattacag gcgtgagcca ccgcgccccg 300
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<210> 1304

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1304

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 aaaaaaaggg aaggattgat tgatttactg agagaagtat aaggaaacaa aatgccccaa 360
 gacccttgtc cggaaggaag ggaggaggagg aaaggaaagg aaaggaagga aaggaggagg 420
 ggagcgaaaa gacagtaaag acagtatgaa catttactga gagaagtata attatcaggg 480
 gaacccgccc ccaatatctc aacggagggt ctattttcca taagtgttgg ccggctgaga 540
 aataaagagt acaaagagag aaattttaca gcttggccac caggggtgac atcacgtatc 600
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 aaggggaagg cctgtatgaa cagggagtag gtacaaagat cacatgcttc aaanggcaaa 720
 aagcngaaca aagatcacat gcttctgagg aaacaggcaa gggccaagcn 770

<210> 1305

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1305

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ccccaccccc accctcagat cactttaaga taatttcttt attcgtttgc ccgacagacc   180
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tgtgggctga ctaaacgcac cacctctgct gatgtcatcc aggctttgct tgaggaacat   360
gaggctacgt ttggagagaa acgatttctt ctggggaagc ccagtgatta ctgcatcata   420
gagaagtggg gaggctccga aagggttctt cctccactaa ctagaatcct gaagctttgg   480
aaagcgtggg gagatgagca gcccaatatg caatttggtt tggttaaagc agatgctttt   540
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tgggagctca gccagcaaaa ctacatgaag actttaccac cagataaaca aaaaagaata   660
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gataatatgg agacattagt tcatctgac atttcccang accatactat tcatcagcaa   780
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<210> 1306

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1306

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cacctgcaac gggattttga gtttgatgct cggggtggag gaagcactgg tggggggctt 720
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ctgaca 786

<210> 1307

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1307

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cctactaaca aagtatgaaa ggactgtcct ttctgcacat ctgagccaac tgggtgatcta 180
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tgcagtggcg caatctgggc aagctgtgcc ccctgggttc atgccattct tctgcctcag 540

cctcctgagt agctgggact acaggcgctt gccaccacgc ccagctaatt tttttgnaat 600
 ttttttagtac agatgggggtt tcaactgngtt agccaggatg gctcnactcc tgacctcatg 660
 atccgccccgc ttggccttcc aagta 685

<210> 1308

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1308

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 ccgagcctta gattgttctg tgaagtcacc aaagccgcca ttctggcctc ccttggataa 180
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 agcttctcag cccaggacac ctggtggcca tgggcaangt gagcaggacc cctgtggaag 660
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<210> 1309

<211> 824

<212> DNA

<213> Homo sapiens

<400> 1309

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ttggactctc agataaattg cttttgtatt ctttgactac aaagtattct caaaaagaag 180
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ttcaagtgtg tcaccaggca ctcataaaat tcatttattt gttatataac tcaatgacct 420
gaaataatag gtgctcattg ctttttcatt tgatccttaa aaacaatttt attctgtcta 480
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ataccagtag agaagatgga aagagacaca aaaatcagac tttgcttaca tcaaaattag 660
gtctgntgtc taatcctggg aacctagagg caagctgaaa atagatggta aggataaata 720
gattttttaa cacagtattt atatttaaca gaatgtcata aaaatgacag aatgccatga 780
aantcacatg tcaaaacttt gattaaacca accaggaaat ttaa 824

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<210> 1310

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1310

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caaatttctg tacttcataa cttttcttc cagcccttag cccagttgtt ttatactgtg 240
ctcttagttg aggctttttt ttttttttt ttgagacaga gttttgctct tgttaccaag 300
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attttttgta tttctagtag aaatgggggt ttcaccatgt tagccgggct ggtcttgaac 480
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 tcaaagcact tgtattgggtg atcttttttc agtattgggt tttgcttgag agtacattgc 660
 ttcagagctc ttacaaaatt actgntctaa tccacatgac taggcaataa ngggctccac 720
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<210> 1311

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1311

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 gaaacataat ctatcagaaa ctcttatagt tctctcacta caaatatggc atcagcaaaa 240
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 atataagttc aaaagtgtaa aaagtaaaat agaggttcct cttcaaagac tttcctccca 480
 atctcattag gaataaatag taacctctct tagaagcaaa attttttcaa agacctgtgt 540
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 ggtcatagcc tgtcctcttc cttatttcaa ggtgttttta cctttctnca gattccaaaa 720
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<210> 1312

<211> 650

<212> DNA

<213> Homo sapiens

<400> 1312

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ctttcttttt accctctcct gcccctgacc cggtagctat accacttgga ttatttacag 180
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tccattcgc gcagatgcac acggattccg ggcccagcgc taactcggat gtgttttcca 600
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<210> 1313

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1313

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cccagctaatt tctttttact tttagtagag acaacttntc accatgttgc ccctanactg 420

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 ttttttttga nacggagttt cgccatgttg gccaggctgg tcttgaaccc ctggcttttag 600
 gngatccgcc cginttggcc tcccacagtg ctgggattac aggcgcaagc cccacagcca 660
 gccatggaaa gcattctgnt gcttg 685

<210> 1314

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1314

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<210> 1315

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1315

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ttaagctagc attggtctat acagatccgc tagctgcctg ctattggttt ncagcatttg   780
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<210> 1316

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1316

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acaggactca ccgaggtgag aataccggag ggccttatct ttaattgggt ttagttttgc  180

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cagtctgaat aggtttaaag agactcgata aagggggaac aatagattat ttattgactg 240
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 tgaaatcttt tggttggact agtttaaaaa aaggagaaaa catgtcttat tgactccaag 780
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<210> 1317

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1317

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 gaatatggca gaaatgacgc attggatcaa gtttctgggc ccagacctta agaacctagc 780
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<210> 1318

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1318

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 ttgtcggtag catgatagct ttatccatca tttatagttt atgacttgtg gttattttta 180
 aacattgaaa gaattttgaa aaaagtcata aatgtctgta acactagcac ttttaaggca 240
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<210> 1319

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1319

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gaacttattc aggactttga aatgcctact gtgtgtacca ctattaaggt gtcaaaagat  300
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caatcagggt tttactacaa aaccagaata ccaaagtttg ggagagattt ctcttaccac  540
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ataaattcag tgcattggctt gtttgccaca ggaaccatag anggtagagt ggaatgctgg  720
gacccaagaa ctcaaaacag agttggcctg ttagactgng ccttaaacag tgtcacagca  780
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<210> 1320

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1320

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ataaagcatt tttatcaggt acctctgttc caagggattt atgtcttaga ccatagctga  180
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 atcctgaagg ccaagaagga ctattagaag gggttttgag gggtttcnga ngtgaaggcc 720
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 tcgaagtg 788

<210> 1321

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1321

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 ccagcatctt ctcttgctct tgcgtgacct ggggcagatt acttaaattt ttttctaccc 180
 cacatgcctc atttgtaaag tggagttgta gtggaatac ttcatatgat tgttggggag 240
 attaaataaa taatgcatat acagaattta aagcagtgtc gaaacaggaa atatccatgt 300
 taaataactg atcattttct ttttaaagct cagtttcctt ttcttctctc aatacttaaa 360
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 ttctaaaatc aggtgggaaa gtctgtgtct catgagaaca aagaacaaga ttcttattca 480
 gtagaaagtg aaaagaaacc agaagttatg gctccagtca gttctacacg tttgagcaaa 540
 caagtccttc ctcatgatag tcttcttgca aatagccagc catctcggag gggccgctgg 600
 gggaggaaga acagaaaaac ccaggaacgt tttggtgata aagattctaa actgctcttg 660
 gaagagacgt cttcagctcc tcaggaacaa tatggagaat gtggggagaa atcagaagcc 720

accaggaac aatcactgaa agtgaagaac agctggtggc ttctgaggag cagcccagcc 780
aggacgggaa cctgcctttc cagagaagac tcatgagggg ttgaaccctg gcgangacag 840
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<210> 1322

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1322

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tttaagtatt cataacacac atttaacacc ttgggtgtcct gggccccaga gttcctttga 180
aggcccatat caatatcttc aatgtaaaac tcagtctttt cagaagaaaa tacagtatat 240
gaatgtttta cgataacatt aattacctga ttttcaatac agttatgact gaggaatgat 300
atttctaagg gcacattttg aaaactccat aaatcgtatt gtattaacac cttaatagat 360
acaatagtaa aacttaagaa tttttctctg tcatgtgacc ctctgttctt gcagttttgg 420
ggttcattaa aagcacaaat aaaacaattt aatctctttg aaataaagta ataaaagtac 480
cttttagaag ttttcttttt cccttgtgta taaaacttct ctatgtttct gtaatgaaca 540
cataaatttc catacttttt cccttaactg gttattttct taaaagtcag aatttaatat 600
ggcgtatttc ttttttggcc ctctgtcccc cccaccaaac tgatattatc cattccatag 660
gccacagtta tttctctagg cctgcatagc gacattttca tactacttta aaactaagtg 720
ggttgtgcac agtatcaaaa accttctagg taactctgag cgacttctaa ctctccagt 780
tggaaccatc tatggagaaa atttgtctaa tagatgcagg tcc 823

<210> 1323

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1323

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agaaagcatt tccattgac tctcttgtat ttgcactttt attgaatcta cttacaatca	180
ctaccacccc aatttagcac ttaattgagc ttaaatttta tcatgtggat taattctctt	240
ctcagtttga tttcaaacac attcattttt agtcacaaaa tgggtgtgagt tatgagggat	300
gaaggtaggc aagaatctga cttgaaggag cccacagtt tacttggaga gtgaccta	360
tattgaattt tcaataagaa tgtctatggg gggactatt tatgaatgct tttatgtgct	420
tgggcacit tattatctga caccctagta atcttgtgt gatcattgcc actttacca	480
tgaggacagc tgtaattaat aatggttaag gaacttgagg gtcaccagc ttctcagtgt	540
cagaatcagc tacgtttaac gttgcttttt ttgtgataca aagtggcaac ttaaagcca	600
aaagcatgtt aggtaagaca gtcattggaa atcattgatt tttgcaggtc ttgaagaatt	660
attctcatta ttttatcatg gttaatgaaa aatgcatatt gnaataatgc ctctattgat	720
taagtagatn gaaactggat ttgggtaatt taggcttgca tttccctaag gttggaaatg	780
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<210> 1324

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1324

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caggcggcgg agaggatgac tgccgctgcc attctctctt gagctagcga gccgccgcca	120
ccctccaccc tccccggca gggcggagag gagcggccgg agtcagcgat ggtgcccggc	180
gaggagaacc aactggtccc gaaagaggca cactggatc ataccagtga caagtcactt	240
ctcgacgcta attttgagcc aggaagaag aactttctgc atttgacaga taaagatggt	300
gaacaacctc aaatactgct ggaggattcc agtgctgggg aagacagtgt tcatgacagg	360

tttataggtc cgcttccaag agaaggttct gtgggttcta ccagtgatta tgtcagccaa 420
 agctactcct actcatctat ttigaataaa tcagaaactg gatatgtggg actagtaaac 480
 caagcaatga cttgctatit gaatagcctt ttgcaaacac tttttatgac tcctgaattt 540
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 accacagatg ttcaaggagc tttggatggg atagtagtga agcttggcag cacatgatgt 720
 acaagaacta tgcagaatca tgtttgatgc tttggaacan aaatggaagc aaacagaaca 780
 aggctgatct tataaatgag ctttntcaag gcaagctgaa ggactactga gatgtttgga 840
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<210> 1325

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1325

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 attcacagaa agtactcaac agattaataaa tctaaaaatg aagagtagaa cttcaaaaaga 180
 aaatatagga gaacatattt atgactttga cataggaagg tttgttaaca catagagtaa 240
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gcctttacaaa attagaaatt tgnccaggat ngnggggtgca cctgggctag tactcggggc 840
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<210> 1326

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1326

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catggtttagc atatattagt atttctagac tcagatttta gtttaaattt atgtctgtgc 180
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<210> 1327

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1327

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catccttcca aagagtacag tatagaaagg gggaaaaaga ggaactttac agtggaaaaa	180
cttgacaaac actactttag ctaggtcaag gttaatatca acagtgataa atcatgttga	240
tagtatgtac ccttgatatg atgttatgag aatggtacct ttacctttgt ggtcttcctc	300
ccaacaactc ataaaccccg tctaatacatg agaagttaga caaatcccag ttgaggagca	360
ttccacaaaa taccttacca atattttcct caaaaccatc aaggccataa ataacaagtc	420
tgagaaacaa taggaaagcc agagaaacta ttacagccac aaggagcatt aggagacatg	480
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aattttaatt aatgtataat attaatgaac caatatgggt acacttttat taactaaaat	600
ccatatttat tccgattagt ttttacctaa tgctgctcat tgnnttttaa tccctattag	660
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aacagtaacg ggggtactttg ggaagtatct cttggagtga ctactgggaa agaaagtcct	780
tanaagttta taggnctgac ttaaactttc cccaatttta aggtggaaga aaaaattggc	840
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<210> 1328

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1328

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tagtagtagc caagattttc ttcactcttt tcttgaaaaa ttggatagaa ctgttaaggt	180
acagccttct gggttcttac tgtccttgaa tcttttcatt tcttccttcc tccctttcct	240
gttgcacact aatgaagatg gacatgaaat ggacgtgaaa cattaggcaa ggcaaggcct	300

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<210> 1329

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1329

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865

<210> 1330

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1330

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tcagccgcat tggatatgga ctgggaaagt gctggncaac gatttgagtt agtttttagat	720
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<210> 1331

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1331

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ccgaattgga gtgtccatgg tcaaaccaac ttcangcctg acaccagggt tgactcaggg 780
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<210> 1332

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1332

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<210> 1333

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1333

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<210> 1334

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1334

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aatgtgagta ttggcatata aaagaaaact cctgcaatgt aattagctag atgcaggcag 180
aactttacag gagaagcctt gtattttcct gtcattggata atgaagtact catttctgga 240
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tgaaataatt aaagaaaagc aataaatggg cagaaaaatc ctaacatgc tctaccagat 660
atccattgcc acaaaataga cctgcaaaa cttantggct taaaaccatg ataattgact 720
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<210> 1335

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1335

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agatagtttc ttaacttatg aacctaatat atcacggttt tattttaatg atataagtaa 180

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tagaatatca atgaaaaaat ctgtataaaa gaaataccca gtagcccata attttaccac 240
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 ttggaatcat aactcactgc agccctgaac tggctaaagt agtccttccg actctgcctc 420
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<210> 1336

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1336

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<210> 1337

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1337

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ggagaagggt ccagttgtcc ttgtccgttc tccattttct catagctgaa agtttttaat  180
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aaaaaattag ccagggtgtg tggcgggcac ctgtagtccc agctacttgg gaggctgagg  540
caggagaatg gcgtgaaccc aggaggcaaa gcttgcaagt agccgagatc gcgccactgc  600
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<210> 1338

<211> 672

<212> DNA

<213> Homo sapiens

<400> 1338

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attcctttga aattagttgg gcccatggtt tattaatttc acgaaaaatt ttcttcccca  180
aagggccaac ttttggcttt ctttctcttc cctgacattt gctcacattc ttgttacttg  240

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tatttttact ttttaattttt cttttatctt tcattttttt cttatgtaaa ttttggccaa 300
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 tagtcccagc tactcaggag gctgaggcgg gagaatcgct tgaaccaag aggcggagg 600
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 aaaaaaaaaan an 672

<210> 1339

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1339

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<210> 1340

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1340

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ctccatgatg ttgtcttgct tttctgttag agggctgtca tgtgggtgtgc taaactttta  180
gatagccaga gattagctat ctaaaagttt cagaatgact gaaatagtta ttttttcttt  240
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atactagaca cttgttgatt ttttaaaagg aaatgaattt agaaagcaat tttcctcgaa  480
accagttttt ttcttctttg gtaaaggata agtcattctt acaactctca atgatgcaag  540
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gttttgagaa cagaatattt gccctctggg cccagatgtg ccatttaaaa ttgaggntct  660
ttcattcatt tattcattct tgcccttggt tggnaaaggg tattgggaaa gatcgnaatt  720
aaagataaag tgtaaaagaa agaaaattgc cttgaaacaa acaaagtgca cacgggctaa  780
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<210> 1341

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1341

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agtccatata cagccacca gctatgaatg tatttagaaa gatatttggt ggagggtgaa  180

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tttctaccag aggtcaagag gatttgtagg gatagcctca agaatgccag atgagtgtgt 240
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 caactctaaa agtcaattaa cacacttact aagggtgtttt aagtgaccag gaaggaaatc 420
 agaactaacc tggattgtta gcgaagaaaa cagaagccac caacaagcct atctgtcctt 480
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 gctcaggtgg cccctccaag tgttggtgcc agagcactct tgccttgtat cctcacctac 600
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 aggagcatga gcagaactgc atatgccagc accacatggg cagcagagac ttcccactgg 720
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<210> 1342

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1342

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 tgtaatgcca tgtatgagag ttctgttgt tttgtatact ctccaaactt agaactgtca 180
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 gtgcctatgc aagtctcttg tccatttttc aactgttttc tatttcttat gaattttag 360
 gagttctttg cagcttctgg ctatgcatcc ttcattaatt ttgtgtgttg caaatatatt 420
 ctccattttt gtgacttgnc ttttagtct caaaacagaa tcttttgatg agaagaattt 480
 ctttaatttg atgtaacctc atttatcact cttttccttc atggttggca cttgttgtgt 540
 cttgtttgac aatgttgccct atcccaaagt catgaagatt ttctcttatg ttaacttcta 600
 aaagttgnat catttgnctt ttatatttat atctacataa tgcacctgga attgagttat 660

atgaatgctg tgaatttggg aaggcgggtt ccttttttcc acatggatat ncaatcnact 720
cagccncatt tactggggga agacatcttt tttctaaagg c 761

<210> 1343

<211> 614

<212> DNA

<213> Homo sapiens

<400> 1343

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gtgcagtggc acggtcattg ctcattggag cctcgacctc ttgggttcaa acagtcctct 360
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tattttttgt agagatgagg tttcaccatg ttgccaggc tggctcctaaa ctcctgggct 480
taagtacct gcctgccttg acctcctgaa gtgtttttct atggtcagag atgtaaatac 540
ttgncattgn gctatagttg cctacagtat tcagtacagt acatgctgna catgtttata 600
gcctaggagc cgta 614

<210> 1344

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1344

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tttttttttt tttggttaaa ctcagcctct atatgtgttt atatgctttc atattttctt 180
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 atcattttaca acaactcttt ggcgatataga tgccatttta ctggtgagga aactaaggct 540
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 ccaattggct tgaattcctg gggaaatttt tgggccaat attggaccag ctggaaatat 780
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<210> 1345

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1345

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 tattcatatt tgaaacaggc tggggtgcag tggcatgac tcagctcact gcaacctcca 360
 cctctcgggt acaagtgatt ctctgcctt ggcttcccaa agtgctggga ttataggcgt 420
 gagcctccgc acctggacnt ancttgacnc tatgat 456

<210> 1346

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1346

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<210> 1347

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1347

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accatgcatg gtaggtactg cttagattaa gttgtatgtg tttcttttcg gtgctgtaat 240
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 atgccaaga ctgagtaatt tataaagaag agaggttaan ttggctacag tctgcaggac 780
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<210> 1348

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1348

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<210> 1349

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1349

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 gatctgccac tacctgccat aaatttcctc tctgtgtagc tagccagatt ggcttctgca 720
 gtttccacta aacttaattg gttgaagaaa caaaaccag aagagaagga gatggagncc 780
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<210> 1350

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1350

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gcctgggttc ctttgatgtg cttgccacaa gggatttggc tctgatccat gtggagatcc 720
aagtgtgga catcaatgac ccaccancca cgggtttcca aaaggcgagc aggaacctgg 780
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<210> 1351

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1351

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<210> 1352

<211> 876

<212> DNA

<213> Homo sapiens

<400> 1352

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876

<210> 1353

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1353

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ttaagtgttt ggggcaaaag acccangtcc ctttt 755
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<210> 1354

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1354

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<210> 1355

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1355

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<210> 1356

<211> 870

<212> DNA

<213> Homo sapiens

<400> 1356

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<210> 1357

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1357

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<210> 1358

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1358

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<210> 1359

<211> 771

<212> DNA

<213> Homo sapiens

<400> 1359

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 ataccccgctg cacattttca acatgtagtt gaanaagcct aaattaggtg ctagaaaaaa 720
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<210> 1360

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1360

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<210> 1361

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1361

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<210> 1362

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1362

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cgtgatctcg gctagctaca ccttcaactt ccagccggct gccttgggct tccaaagtgc 720
caagaatgca gctntggccn gntgcaaccc gt 752

<210> 1363

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1363

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<210> 1364

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1364

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<210> 1365

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1365

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<210> 1366

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1366

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<210> 1367

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1367

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<210> 1368

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1368

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cttaggagac	tgtaatgtaa	atggtgcctt	ctttatttgc	cttccagggg	cacttccttg	480

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 tatttattga ctttatatta attaagcacc tactatatgc taggcactgg tttgaactca 720
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<210> 1369

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1369

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 ctcactgtct cctgctaaag aaataccttc tgtctatgca acttttcttt cccctttct 180
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 aaaattaagg cctacagaca tcaacaaaac gagcgacaga agaaaggcat ttccaagtga 480
 tgtaactggg tgactcatct cacgaaaggg cactcggagg cctaccagta gaccaccttt 540
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 aaggagcttt gatgtcangg ctttaccatt taatggtttt caaagtattg ggaattctga 780
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<210> 1370

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1370

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aactatttgg gtggctgagg cttgagaatt gcttgaaccc aggaggcgga ggttgcagtg  240
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ggccattctt ctatgccatg actctaggat gagtgtcgaa gaaatagcag tcaactttaa  480
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catggaatca ggcttttaga ggtcaagtaa gaggtgggag aggaggaatt cagttctacc  600
aatatttgag tgcctactct ttaacacact ttctaaaccc tggcttcaat agtaacaaaa  660
acaatagctt tcctgncitt ctagaactta cattctagta ngggaaacag caataaagaa  720
aataaaactt gcagcatttc anaa                                     744

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<210> 1371

<211> 587

<212> DNA

<213> Homo sapiens

<400> 1371

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tgtaagttaa tagaaataaa ctgattgttc tctcaaaaac tggttttgac acaggtttgt   60
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acagcaaaat accatagagt aggtagctta taaagaacag atgtttattt ctttcttttt  180
tttttttttt ttttgagaca aagtctcact ctgttcgaca ggctggagtg caatgggtgtg  240

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 gagttcgggt ttctccatct tggccaggct ggttttgaac tcctgacctc aagtgatcca 420
 ccttcctcgg cctcccaaag tgctaggatt ataggcatga gccaccgtac ccggccagat 480
 gtttatttct aacagttctg gtggctggaa agtttaagat caagatgctg gcagattcat 540
 atctgngag gatctgttct atggntcata natgggcctt ttcattg 587

<210> 1372

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1372

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 aaaaattgcc atagtgaatt cacttccaac tcagagtgtg atcttaaact cacggggatt 180
 ctcacttctt tatgaaagtt tggggttgga tgacccttaa ggctccttct tagcactttt 240
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 atacggTTTT ggtcccccta attttaaaaa agaatgtgaa aaaatcagta actgctacct 480
 ggagtgtgaa gggaagtctg gtggacaggg tgagggaatt atttatcatc ctgctctttg 540
 aagtaagcac catattaatg tcatgtatta cctattaaaa atatataaaa tgagaaatac 600
 atgaagatat tagtgaagaa agaggggaaa aagaagatag cctaaaataa aaagcaaaat 660
 gattcagcct ggaataataa tgctaaataa ggggtgatct gataatttag aaccgtatta 720
 gagtttatta ataggaaaca cagtatcatg agttccttaa tctctggcct tttggaanga 780
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<210> 1373

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1373

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aagaattagg agatgaaaaa agacttgaga aagaacagtt actggcagag gaagaggatg   180
atgatttgaa ggaagtaact gatttgagga aaatagctgc tcagttattg cagcaagaac   240
agaagaacag gattcttaat cattcaactt ctgtgatgag aaacaagcca aaacaaactg   300
tggaatgtga aaagagtgtc tcagcagatg aagttaattc accattatca cccctcacct   360
ggcagccctt agaaaaatcag aaggatcaaa tagatgaaca accgtggcca gaatctcacc   420
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agtataaatc aatgaggaag agttcaagt gcaatgaaaa tgatgagcaa gacagtgata   540
atgctaatat gtcaacacaa tctccagtat catctgagga atatgacaga actgatgggt   600
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gaatatgggg cagcagatcc aggatttcca tgagaagaaa gatggacatt tacggaagag   720
cgagagcnaa tccacacttc gcaacatctt gaatcnaggt aaaagtattt tgnctgatgc   780
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<210> 1374

<211> 558

<212> DNA

<213> Homo sapiens

<400> 1374

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aagggtggact agacaaagtt gtatctagac cttatcata tatgtgattt gcaaattatt   60
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ttt gatgaag tcaa atgtat ctaactttca tttggctgct tatgctttca gtgtcatcta 180
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 gttgaaaatc agttgactgt aaatgtatgg atttacttca gaactgttaa ttntattcca 480
 ttgagctata tctattatgc tagtaccata cagtcttgat gactgcatct ttgtaatatg 540
 ttntgagatt ggaaagng 558

<210> 1375

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1375

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 ccaagaacgt ctaattgtca ttggaacagc cagtgtcagg cagcttctgc tcaggctgat 240
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 atagtctcca gggatgtgta gaacggcaat ggcaggacag caaacaactg gcgatttccc 480
 caggtcccac gctcttgcgg agtgagtatg ttgggtccct gtccccagtg tgttccagcc 540
 ttaccaggt gcacagagta ccctggggcc agcacagggc ttgtccagtg atgtccttgg 600
 tgttnacaaa atggctccag agatactgc attttgaaaa gcctgccgag ccagcaagtg 660
 tagggcanga cccggatttc tttggcaa atctgaaggtga aaagggccac ttgcctgctg 720
 agtaaaaact gcctttacct ggccagtgtg tgcaacttga gagaaaatga canctgcatg 780
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<210> 1376

<211> 743

<212> DNA

<213> Homo sapiens

<400> 1376

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gggggaggtt gcagtgagcc aagatcgtgc catcgcactc cagcctgggc gacagaggaa   60
gactccatct caaaaaaaaaa aaaaaaaaaa ataccaagac tgtaataaag tgggtggtct  120
ctagaaccca gacctttact tgggtgaatt ttcaaggga ttttcatcag gataacttat  180
gatagcttca ttttttacca agataatcgt cttgaagtat ggaaattccc agctttcctc  240
tggtcagtga atgcatatta atccattga tgctgggtgca gttattattt gccttanagt  300
tgagcaatag tattgaaatt ttccattgta tgtaataata atactatitt ttatgtttgg  360
aataaaataa cactttggga tatcaattta gtttcttcat tatttgacct tttatctctt  420
gaaagtgaac tgtacctcaa agaaaaaaga gtatatataa ttctgggtgct tttcactggg  480
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tctcgactga tcaaggcaac tccagtccta agttctaact ccagaatatg taggattcct  600
caggactaga ctgagcagac tgctataaac gtgactccag aaggttctcc taagaattta  660
gataatgatt taccactatt catacactcg agttgaagac cttangctac tagaaatccc  720
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<210> 1377

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1377

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caaacatggc aaaaactatc tgataacagc caggcatata gaaagcacia tctaatatat   60
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attcataatc aagaaatag tttctgtcat gaatagttgt tttttacttt agagtgtaaa 180
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 gccaaaggcag gtggatcacg aggtaaggag atcgacacca tcctggctaa cacgngnaaa 720
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 ca 782

<210> 1378

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1378

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 aaaagggaaa gaaggagggtg atggcggagt tttcgacgc tgttacggaa gaaaccttga 180
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 ggaaaattct gtttgaagat ttccggtcct ggctttctga tatttctaaa attgacctgg 480
 aatcaacat tgacatgtcc tgtgctaaat atgaattcac tgatgccctg ctgtgccatg 540
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ggagcatggg tggtagcctg gacctgtaca gcattgatga acactttcag ccgaagcaga 660
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 a 781

<210> 1379

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1379

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 atccagctca tgtagatgca tatttgtttc catgatcatt tgaaattcta tggagtcacc 180
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 gacatcttag cactgacaca tggccctctt ctgcagaaat actgggcaaa gagttgtgag 420
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 cagccttcac aacctatttg acttaaaggg caaaagtgcc tatctgcaat tttgatgatc 660
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<210> 1380

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1380

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atataattaa	ggagctagaa	ncatctgaag	aactagatnc	aatttgtcca	aagcttccaa	720
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<210> 1381

<211> 708

<212> DNA

<213> Homo sapiens

<400> 1381

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aggaacagga	ccaggtcggg	tttggaagg	cccacgtctg	gctgtttaca	ccaatctagg	180
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 tctgccacac acacgccagg gtctcctctt ccgtggaaga gcangaagaa gacaggcact 660
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<210> 1382

<211> 670

<212> DNA

<213> Homo sapiens

<400> 1382

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 cggaatgagg aatagggtga ggtgggaata ggtagtcatg atatacaaga gtggaccctg 480
 ataatggggt gaggtatggg gaaaggagct atccgacatg tccttagctc tagtctgtca 540
 gtaaagatat tttgaaagat tatcaattcc tgtttgtcag atgctaaaat attagacgac 600
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<210> 1383

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1383

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taacacgaat ctgatgatta tgtcagttct ttatttaaag cctccaatc acttcccatc	180
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tctttttttc gttctctact tggcaataat ctgataaaac atctgatctt atttattggt	480
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cataacataa aatttaccac ttttaaccatt ttgaagtga cagttctgtg gcattaactg	660
cattcacgtt ggtgggcaat gatcataagc ncccatctnt agaacttttt catctttcca	720
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<210> 1384

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1384

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ttccacagtt taatatagat cttagttatt ttcttttccc atttaggaca cgtgttttag	180
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cacagatgtc tatattcaaa caaagtttat ttttctatga taaaaataat acaagtgtcc	300
taaagaaaat ttggaatata taggtaaaag aagaaaaaaa aaaaaaaaaa aaaaagaaaa	360
tagatgactg cttgaagaat ttagtaagag aactttaagc tatagaaaaa gagttgaatg	420
gacataacta gaaaatgtaa caactgaaat tagaatttaa tagatggctt ttaaaggagg	480

ttaacatggc tgaagagaag attagtgaat tggaagatag aacaatagat gttatcaaga 540
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 aattcacatg caataataga tggaagaatc atagacatga taattggaaa gaggctttaa 660
 aataaacnta cntatttaaa ggagatgcn 689

<210> 1385

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1385

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<210> 1386

<211> 719

<212> DNA

<213> Homo sapiens

<400> 1386

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<210> 1387

<211> 731

<212> DNA

<213> Homo sapiens

<400> 1387

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<210> 1388

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1388

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<210> 1389

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1389

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tgatattgga	tttttagaat	agtgcacaca	cctcaagtgt	gtattdattd	cattaatttc	180
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<210> 1390

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1390

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<210> 1391

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1391

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<210> 1392

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1392

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<210> 1393

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1393

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<210> 1394

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1394

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866

<210> 1395

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1395

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<210> 1396

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1396

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<210> 1397

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1397

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<210> 1398

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1398

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<210> 1399

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1399

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<210> 1400

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1400

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<210> 1401

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1401

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<210> 1402

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1402

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<211> 844

<212> DNA

<213> Homo sapiens

<400> 1403

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aaagcaaggg ttactaactt tgagaagtat ctatgaaaac cactcaccca ttaaagtttc	780
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<210> 1404

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1404

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 atctagcttc gatcttttca aagaaatgaa aattttgatg gtcatatcgt gggcatacac 660
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<210> 1405

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1405

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<210> 1406

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1406

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<210> 1407

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1407

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<210> 1408

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1408

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 cctggttgnt taaaactgtg tggcaccttc ccttctctc tcttctnct tctcttgccc 720
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<210> 1409

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1409

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<210> 1410

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1410

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 aacttaatgg ggtttcatga gaattgactg gcttctttan gcccttaaat ttaacattcc 720
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<210> 1411

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1411

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tctttatctt ctcttctttg gttcttatat ctggttaagtt actaagtctc agattttctt 780
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<210> 1412

<211> 729

<212> DNA

<213> Homo sapiens

<400> 1412

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<210> 1413

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1413

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<210> 1414

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1414

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<210> 1415

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1415

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<210> 1416

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1416

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<210> 1417

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1417

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<210> 1418

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1418

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<210> 1419

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1419

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<211> 851

<212> DNA

<213> Homo sapiens

<400> 1420

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<210> 1421

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1421

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<210> 1422

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1422

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<210> 1423

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1423

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<210> 1424

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1424

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<210> 1425

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1425

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<210> 1426

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1426

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<210> 1427

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1427

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<211> 836

<212> DNA

<213> Homo sapiens

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<210> 1429

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1429

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<210> 1430

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1430

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<210> 1431

<211> 856

<212> DNA

<213> Homo sapiens

<400> 1431

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<210> 1432

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1432

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<210> 1433

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1433

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<210> 1434

<211> 877

<212> DNA

<213> Homo sapiens

<400> 1434

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<210> 1435

<211> 630

<212> DNA

<213> Homo sapiens

<400> 1435

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<210> 1436

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1436

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ctggangttt caggaaaatn ctgaa 745

<210> 1437

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1437

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cagctagaaa tacgagaggc tgcaaaaaat tatgcttgac ttaaaaaaaa agagagagga 660
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<210> 1438

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1438

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 ggccctggca ctgaccacct aggaacagtc atcttttcca agcttctggt tcctcttctg 180
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 acatgangga tactgctttg gcatcatcgt ttgtgagggc caaggctggg gaagggtgga 660
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 aaaaccacaa naa 733

<210> 1439

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1439

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 tatactggga tatgtgggca ccagagctta tgctaaagct gntgatcag tgggacaggt 840
 aactgggtaa ntggcaccc 859

<210> 1440

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1440

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<210> 1441

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1441

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<210> 1442

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1442

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<210> 1443

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1443

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<210> 1444

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1444

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<210> 1445

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1445

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ctgcctcccg agttcgggta gttctcctgc ctacgcctcc caggtagctg gggctacggg 180
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<210> 1446

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1446

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<210> 1447

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1447

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<210> 1448

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1448

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<210> 1449

<211> 901

<212> DNA

<213> Homo sapiens

<400> 1449

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<210> 1450

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1450

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<210> 1451

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1451

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<210> 1452

<211> 779

<212> DNA

<213> Homo sapiens

<400> 1452

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<210> 1453

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1453

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<210> 1454

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1454

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 cgtcaggctt ttgagttgcc caggaactgt ggccaaagac cttaggagag acgagcagcc 180
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<210> 1455

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1455

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gcaaattaga accacaaggt gatggatacc actaccacc cacaagaatg gcttaaagga 720
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<210> 1456

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1456

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<210> 1457

<211> 890

<212> DNA

<213> Homo sapiens

<400> 1457

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<210> 1458

<211> 907

<212> DNA

<213> Homo sapiens

<400> 1458

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<210> 1459

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1459

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<210> 1460

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1460

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gagactccat gtcaaaaaaa aaaananaaa gaaacaagaa aatgtgtgaa gggaaaggcc 660
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<210> 1461

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1461

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<210> 1462

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1462

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<210> 1463

<211> 748

<212> DNA

<213> Homo sapiens

<400> 1463

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<210> 1464

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1464

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<210> 1465

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1465

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<210> 1466

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1466

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<210> 1467

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1467

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<210> 1468

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1468

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<210> 1469

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1469

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tggtgaa 787

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<210> 1470

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1470

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<210> 1471

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1471

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 tgtcggccag actggagtgc agtggcgca tcttggtca ctgcaacctc cgtctcctgg 420
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<210> 1472

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1472

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<210> 1473

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1473

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<210> 1474

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1474

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<210> 1475

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1475

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<210> 1476

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1476

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tcttcaca 728

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<210> 1477

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1477

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<210> 1478

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1478

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<210> 1479

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1479

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<210> 1480

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1480

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<210> 1481

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1481

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<210> 1482

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1482

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<210> 1483

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1483

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gnggctaaaa atngg 795
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<210> 1484

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1484

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<210> 1485

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1485

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 aattagctag gcgtgggtgt gggcgctgt aatcccagct actcatgagg ctgaggcagg 600
 agactcactt gaacccggga ngtggangtt gcagtgagcc cgagatcgtg ccactgcact 660
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<210> 1486

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1486

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atatatcata gtaagtacca tttcttcttg gatccttcct ggcactgtgc taactgcttt  180
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gcctgaccaa catgcagaaa ccccgctcct actaaaaata caaaattaga cgggtgaagt  660
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<210> 1487

<211> 812

<212> DNA

<213> Homo sapiens

<400> 1487

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<210> 1488

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1488

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tnacaaactc tctctgccat ggatggcacg gtgacgttga aactggtggc caagaaagct 660
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<210> 1489

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1489

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<210> 1490

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1490

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 gcacaaattg acatttctaag gtcacacctc aaggaactag agaaataaga acaaaccaaa 180
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<210> 1491

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1491

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 ttgacctaat ancagcggtt ttttgacaca ttgacactt tttccatcac gctcttttca 780
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<210> 1492

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1492

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<210> 1493

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1493

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<210> 1494

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1494

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<210> 1495

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1495

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<210> 1496

<211> 670

<212> DNA

<213> Homo sapiens

<400> 1496

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<210> 1497

<211> 731

<212> DNA

<213> Homo sapiens

<400> 1497

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<210> 1498

<211> 629

<212> DNA

<213> Homo sapiens

<400> 1498

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629

<210> 1499

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<212> DNA

<213> Homo sapiens

<400> 1499

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<210> 1500

<211> 738

<212> DNA

<213> Homo sapiens

<400> 1500

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<210> 1501

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1501

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<210> 1502

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1502

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<210> 1503

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1503

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<210> 1504

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1504

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ctcctcccag cacccccata acagtgactg gacatggctt ggctgttcag agctcagagc 600
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<210> 1505

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1505

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<210> 1506

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1506

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<210> 1507

<211> 708

<212> DNA

<213> Homo sapiens

<400> 1507

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gaaaagcaca cccagggccca gtctttgtag agtttggtgc tgtaagagc ccaccaggc	300

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<210> 1508

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1508

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<210> 1509

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1509

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<210> 1510

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1510

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<210> 1511

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1511

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<210> 1512

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1512

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<210> 1513

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1513

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<210> 1514

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1514

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<210> 1515

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1515

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<210> 1516

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1516

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agatctcaaa gatctctttc attccgtgaa agcgctctca atgtgtgaag ttgactgctt  660
ctcctgctgt ttaccaagag aataatctta accctacatt gnggagatcg gatttggctt  720
cacttgacag aaagccagtc ccacgagcag cttggtaccc aaataccagt ctgttttagtg  780
ctcattagag atgaagaacc atattcataa gtcaagctga nacggatgca tcttcanaca  840
gaatc                                           845

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<210> 1517

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1517

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agctcctggg ctcaatgata ctcctcctcg gcctaccaa gtgctgggat tataggcatg   60
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gtaaaaatcc tattacaaca aattgtacca agtccttagac taactagaat aggaccattt 180
 ctgagcccca ggaagggctg tcggaggtgc tgccccacat ccaggaggct ctgtggctctg 240
 ggccacacct tcaggaggat gtgcacctac tgggagcccc aggccatctc taatctcaca 300
 ctagattctc ccacccacag atatgtggtc tccctgatga aggctggatt tagtccttgt 360
 tctcagcgag gtgggtattg gcccacaat ggccacagta cactgacccc gtaacagagg 420
 aaatctatag ctcgataat tcattttcat ggcaagtggc tgcatttggt tttggcctca 480
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 ttaaaaataa aaaagccagg cgcggtggct cacacctgta atccagcact ttgggaagcc 660
 gangcaggca gatcacaagg gcaggagatc gagaccatnc tggctaacat ggggnaaccc 720
 catctttact aaaaatcaaa aaaattacc 749

<210> 1518

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1518

aaaaaccaca ctccatgac agctctttgc ctgctccttg cttgatgttt tctggaagtg 60
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 tgtgttcaat cttcttacac ttcagtttct tcattttaaa aaggaaaagg taatttcttc 180
 acagtctcct atgagttgga cagaaagtca tggatgtgta aaggacttct tgatgataag 240
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 gtttttattt ttgctgcagt gaacagcttg agttgtctct taagagtcatt ctcatccctt 360
 gctattcgag atgaccacac gatggcagct gttcagcatc acctgggagt tcattggaaa 420
 tacagaatct caggccccac ccctgaatgt cgaatactgt gtgtactgct ctagcttctc 480
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 atgcctttta tctgacgttt gttttgcaac ccattacatc acttgcccc gggcatcctt 600
 taaatttcat ccttggtctaa ttctcattgt aaccggttcc agcttgcttt aaatgattgg 660

gtggatggaa ttctcccat tgacaattga caggtaggcaa ttaattggtc atgcctcant 720
 gggatgaatc cattacatct ctttncctggc taatattttt atctaccttc cgactttttt 780
 gtagggactt tggtaggat cctcatgaaa ggnccatctn ttcct 825

<210> 1519

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1519

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 tatgcatctg tttgggagtt ctctatttat tccattgact tacttgttta tctttatccc 180
 agtacctcca gtaaagtttt gatttctgta acttcagaat aagtcttaag tccagtagtg 240
 taagtcccc accctttatta tccctttcca aggttgtctt ggatatttta agtcctttgc 300
 tttttcatat aaaattttaga atcctatgaa taaacctgat gggtttttaa atttttaaaa 360
 tttttgtttt atcaaatatg ttttctgggc caggtagcagt ggctcacttg taatcctggg 420
 actttgggag gctgaggcag gcagatcgcc tgaggtcaga agttcgagac cagcctggcc 480
 aacatggtga aaccctgtct ctactaaaaa tacaaaaatt agccaggtat ggtgatggat 540
 gcctgtaatt ccagctactc agaaggctga gggaggagaa ttgcttgaac ctgggagggtg 600
 gagattgcag tgagccgaga ttgtgccact gaactccagc ttgggcaaca gantgagact 660
 gtctcaaaaa aaaaaagatt ttctgaatat attgaaatga gttttctcat cttgncatga 720
 gatgaaaatt ttttctttgc tctacggntg tggcnaatgt gctctattat ggattggagc 780
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<210> 1520

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1520

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attttatttt attattatta ctttttttga gattgagtct tgctgtgtag cccaggctgg 60
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tacctcggcc tcctgagtag ctgggatcgc gggcgtgtgc caccacaccc agctattttt 180
tttttttttg tagtgtagt agagacagga tttcaccatg ttggccaggc tggncctgaa 240
ctcctgacct caggtgatcc acctgcctcg gntcccca gagctgggat ttagaagcgt 300
gagccaccac tcccggccaa tatatttgn t 331

```

<210> 1521

<211> 692

<212> DNA

<213> Homo sapiens

<400> 1521

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tgattctaca aatatttaat tagtccccca acatttgagg aaactactaa tgtctacttc 60
ccatgctgtg ggaccagagg gggctctaca gcagtaatgg ctgaagttat tatgaagttt 120
taggtagaaa caagcaatct gtgcttctca ttactttatg cgatttagtg atgtaattac 180
ttctgatgca agtttgtgta tgatcacttt ttgtatatat caaatggaac agagcagtca 240
tgcagtatat ataccatatt gatcaaagat gaattacaga aactgagaa ggggaaagaa 300
atcattgata tctcagctga ttgtattgct tcaagtcaag aagataaaaa tgtgctgaaa 360
caaattcaca gatgaaccaa atacagtcgc aaggagaagg cagtgttttc ctggagcttc 420
cttgagtggt tctgtagcat agcattttct tttctttttt ttttttttga ggcggagtct 480
cgccctgtcg cccaggctgg agtgcaatgg cctgatcica gctcactgca gcctccacct 540
nccgggtcca aatgattctc ctgcctcagc ctcccagta gctgggatta taggtgcctg 600
ccaccagcc catctaattt ttgnattttt agtacagatg aggtttcacc atgttgcca 660
ngctgatctc aaacttctga ccttngatc tg 692

```

<210> 1522

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1522

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gaaaaataga gatgagggt cactatgttg ccaggctggt cttgaaatcc tgacctgaag   60
tgatcctcct gccttggctt cccaaagtga tgggattaca gatacaagcc atcacaactg  120
gccctcccta aattttctaa cagcaacctt atctttaaag aaattgtccg tgtgtgctct  180
gcccattgttt ctaatgacat gcatgtgttt tttcagcacc gtatgtgccc tgaaattgcc  240
cgccttttga cccccacat ttaccaggat ctggagaatc atccatctgt tcttaagtat  300
gagaagatta aggtgagtct gtcttaccgc atctttcttg gatggtgtca gcaacctaaa  360
aaggctataa tttcctcaag ataaaaaagc ttttcagcgg ccaggcgcgg tggctcacac  420
ctgtaatccc agcactttgg gaagctgagg tgggcagatc acttgaggtc agagttcgag  480
accagcctaa ctaacatggt gaaaccctgt ctctactaaa atacaaaaac tagctgagca  540
tggtggcaag cacctgtaat ccagctact cagaaggctg aggtgggaga attgcttgaa  600
cccaggaggt ggaggttga gtagctgag atcgtgccat gctactgcac tccaggctgg  660
gcagcggaga gagactcctg tcaaaaaaaaa aaagaaagcc ttcagaaggg agtagagcca  720
gcttttttaa actggttact gggagaaaat tgaaatcaga ccagggtttt taatccaatc  780
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<210> 1523

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1523

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cttgcgcacg cgcagcccgc ccctgcggca gaggggcgcc cgcgcgtgac tccccctgc   60
cggctgcgga ggtggggggg ggacggcgcc cccgccgtgt gcgtggggcg gggatggagc  120
acgcgccctg gagccccggg gccagctcta gggcccgtgc aggccacacc atgaacacct  180

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ccccaggcac ggtgggcagt gacccggtca tcctggccac tgcaggctac gaccacaccg 240
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 acattcgnat gtatgatctc aactccaata accctaacc catnatcagc tacgacggcg 420
 tcaacaagaa catcgcgtct gtgggcttcc acgaagacgg ccgctggatg tacacgggcg 480
 gcgaggactg cacagccagg atctgggacc tcagggtccc gaacctgcag tgccagcgga 540
 tcttcagggt gaacgcaccc attaatgctg tgtgcctgna cccaaccag gcagagctca 600
 tcgtgggtga ccagaacggg gctatccaca tctgggactt gaaaacagac cacaacgagc 660
 agntgatccc tgagcccgan gtcttcatca cgtccgccac attgattccg acgncactac 720
 atgg 724

<210> 1524

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1524

gatgccaaaa ttactttttt cttccaaat atcaccttct gactgtttcc accatgggta 60
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 gttttaggga aattaacaaa aaaattccca gatgccaaaca gccaccattc aaaagaccac 180
 caatctattg catcatacca gatgccactc tctcttccta gtagggattt ctctcctcgg 240
 tcctgatcaa ggtgttataa tagagacatt ttattatag acagtgtcct gaagggattc 300
 cagtcgaat ataggaattc ttaaacttag ctgaaactcc caaagtgatt tcattgctgg 360
 gcatatttta acatacttag gggaaagcaa atctttaaac aaagcaaac accaaactac 420
 agttttaaaa agaagaaagg agagcgtatt ttagtttcaa aattacatta cattttaatt 480
 taattttcct tctaattttc ctgtcagcat tttatttaca aaaactgtgc agcaaacgag 540
 ggaaaatctt ccaacacaaa caactctgta atgactaaat tggttttatt catatatatt 600
 agacatttgg ttaacttgga tctttttcat aagtctttg ngatgctttg taanggtagt 660
 gnaactgaag tggttgggtga gtttgatttg gtcccacagt gcttaattca 710

<210> 1525

<211> 813

<212> DNA

<213> Homo sapiens

<400> 1525

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caaaacaaaa acaaacaac aaaaaaacct gtatcccttg gttttagttt gtaaataaac   60
caattgtgaa ttcaataatt tgggggtttaa ttttgtaaac tataatagct cccttttggt   120
gattgctgtt tgccatgctc tttggaaggc ttcatgcacc gcgttacatt tagctctcat   180
gacgacctta catttgtaag agtgtgagac agagcagtgc aaggctcctgc ccaaggcccc   240
tccactggaa gtgacagagc tgggatggga tctgggtctg cgtggctctg aactcctcag   300
ctataccatc tcctgcttcc aacattgtgc cagataatga tggctatggc cctaatttct   360
gaaacaaagt cttatttgag aacttcttag ttagcgagat ttctacctta gtcttttcac   420
taggtatcca gaaacttact aaaaaattta aaaatcttgt agttttgaac ccttttaaca   480
aagaaaagca gtaagggcct agttattata agtacaaata ggaaaaatgt ataaactaca   540
gcttatcttc taaatggaaa tacttaaaag acagattttc aatctcttta gggggttgag   600
gaaaaaataa cattcagatt ttttgnttgn ttggttttagc agaaaaagtt tgatcatcgc   660
tttaacaatt cagctttcac attttctctc atctttcttc ccattgttgg caagactgta   720
tnactgcctt ttgaaaaaac ctttgggtaa tcaactggcat tttgaattaa cntttggtat   780
atgccttggc taaaaatagg gacatttttn tcc                                     813

```

<210> 1526

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1526

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aggtttgtga tcttgatgta gcaaagcgat tcttttcac ttcggcgagc ccaggggatg   60

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gactcatcct agtgctcatg gtctgaacct gccgtgttct tggcttttctg tgggaggctg 120
cattgcggat tgagggagag tgtccaaccg tggcaatgga agggactggg tacttgctgg 180
atTTTTtggT gccacccttt agaagcaggt attattggct ctgctttgca gatgaaaaaa 240
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tgtggcccca accttggTga caccttagaa tagcagtgat tcatttggTc tcagatcttg 360
atgtgtgact agctgcagcc acccgcacct tcacagacat aaaaaccgcc agaccctga 420
cacgccatg aagacacacc caaagatgtc ttTggagatc cccgggcaac agggacactg 480
gcatttcttt gcattctcgt gcccCaatcc tggacctgtt ctggtgcaca ggaagctggt 540
tacgaaggga tgcagtggan atggtttgca gaaagaacac caagtttgcc ggactccgtg 600
ttatggagat atTTtgactt ctggggatgg agctggagca tgcccaggag acccatagtc 660
atgagcattc acaattaccC agcanttaac atgtgctggg aaccctgccc antgagagct 720
naca 724

<210> 1527

<211> 605

<212> DNA

<213> Homo sapiens

<400> 1527

gacaacacgc tgactaggaa aaggaggagg cggggcagtg gggccttcgg cggcgactat 60
ggaaggagcc ggctacaggg tggTgtttga gaagggcgga gtgtacctgc acaccagcgc 120
taagaagtat caggaccgag actctctcat cgctggTgtc atccgtgtcg tgGaaaagga 180
caatgacgtc ctctgcact gggctcctgt agaggaggct ggagattcca cccaaatcct 240
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tgaccccggc tatgaacctg actgggctgt catcagcact gtgcggccac agccctgcca 360
ctcagagccc acgagaggTg cagagcccag ctgccccag ggctcctggg ctttctcagt 420
gagtctgggg gagctaaagt ccatccgccg tccaagccag gcctcagctg ggcctacctg 480
gttctggtga cccaggctgg aggttcctg cccgcactgc acttccaccg cgggggcacc 540
cgcgccctgc tccgcgtcct cagccgctac ctgctgntgg ccagcttccc gcaggactnc 600

cgnc1

605

<210> 1528

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1528

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tntattcct cgcattcagc accttccaaa aaacaagtga catttctaatt attcagggttt 60
cctcctctcc cctttaaagt tgtccatgta gaaatttcat atattaagga actaagattt 120
ctttgataag caaatgtttt tcttcggaat gcgatttcat cactgtgtct aggggaggga 180
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gagggtgttt tttagtatat caactagtat tgtttgcctt tcagcctaaa atccttcctc 480
ttaaagattg tgcttgcttg gctggatttt tgctgatgct gtttaatttt aagctctttt 540
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tgagttatta ctggcctttc ttccttactg tatacccggt gcctggcaaa aagtaggtgc 660
tcaacaaaga gaggaaggca gggaggggaa aggtgagcga gaatgagaag gcgtcactct 720
tcagacattt ggggaatgcg atgatnagn ctcantaaga tctg 764

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<210> 1529

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1529

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tgttccatgc tctctaggtg tgcctctttc aatatttctt gtccttttcg ccactgctca 60

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 ggttctctta cataggctat tattgatatt ggttgctttt attttcctc caacccccac 180
 tccagataac aactgttgag tgcgtaccat gtggcaaaca atgggaatga agagattaat 240
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 aaggtatcac aaataaaaag tgggccacaa tgagtaggtc aattaaataa atgcaaaaaa 660
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 ttttaattctt accaaaactc tttgaggatga ttattggatc actcccatth acagatgaaa 780
 aactgagggt taaggaaaag atgtgtatgc cccaatttct taatgactaa atggcancag 840
 ancaaggact gtcttgactc 860

<210> 1530

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1530

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 agctcctatt caagatggag ttgctctggc tcaaatgcct ctgacaccaa cactcattat 180
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 tgatttttga cagagggtgca aaagtaattc aaaggagaaa ggacagtctt tccaaaacca 300
 gtgttgggat aattagtcac cctgcaaaaa aatgaacctt gacctaaatt tcaccttata 360
 cacagactag ctaaaaattg attttacacg taaatgttaa aattcaaagc ataatattha 420
 aaaaagaaaa cagaagaaaa ttttcatgaa ctgaagttag acaaaaagtt cttagatatg 480

atgtcaaattg cctgatccac taaaaaacat gacaaattgg attcataaaa tttaaaaccc 540
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 ctcaacagaa ggaaaacaga gtttaagtaa aaaatgggta aaagacttga gcagatactt 720
 catcaaagaa gttatatcga tggaaaataa gcacaagaaa atattttcaa catcattagc 780
 tatcaggaag tgcaaatata aaccatantg aggcttgggg acagtggctc atgcctgtaa 840
 tgnngcatt ttgggaagct ga 862

<210> 1531

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1531

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 aaggacgagt gttcgtgaaa gtgaaccca aggCggaggc cagaagaatg tttgaagggtg 180
 agatggcaag tttaactgcc atcctgaaaa caaacacggg gaaagtgccc aagcccatca 240
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 aggaacggcc ctttgtggcc cggtttggat ttgacgtggg gacgtgctgt ggatacctcc 480
 cccaggtgaa tgactggcag gaggactggg tcgtgttcta tgcccggcag cgcattcagc 540
 cccagatgga catggtggag aaggagtctg gggacaggga ggccctccag ctttgggtctg 600
 ctctgcagtt aaagatccct gacctgttcc gtgacctgga gatcattcca gccttacttc 660
 acggggacct ntggggtgga aacgtanacan a 691

<210> 1532

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1532

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gctgatgctg ccgtgcggtta cttgtcatgg agctggcact gcggcgctct cccgtcccgc 60
ggtaggttgct gctgctgccg ctgctgctgg gcctgaacgc aggagctgtc attgactggc 120
ccacagagga gggcaaggaa gtatgggatt atgtgacggt ccgcaaggat gcctacatgt 180
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tatttgtgga taatcccgtg ggcactgggt tcagttatgt gaatggtagt ggtgcctatg 420
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gccacaaaga attccagaca gttccattct acattttctc agagtcctat ggaggaaaaa 540
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ggggacctta cctgtacagc atgtctcttc tcgaagacaa aggtctggca naagtgtcta 720
angntgca 728

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<210> 1533

<211> 644

<212> DNA

<213> Homo sapiens

<400> 1533

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agcgcgagcc ccgccgccgc cgagcatgga cgaccccgac tgcgactcca cctgggagga 60
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cgcgagggac gcggacgcag gggacgagga cgaggagtcg gaggagccgc gggcggcgcg 180
gcccagctcg ttccagtcca gaatgacagg gtccagaaac tggcgagcca cgaggacat 240
gtgtaggtat cggcacaact atccgatct ggtggaacga gactgcaatg gggacacgcc 300

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aaacctgagt ttctacagaa atgagatccg cttcctgccc aacggctgtt tcattgagga 360
cattcttcag aactggacgg acaactatga cctccttgag gacaatcact cctacatcca 420
gtggctgttt cctctgcgag aaccaggagt gaactggcat gccaaagcccc tcacgctcag 480
ggaggtcgag gtgttttaaaa gctcccagga gatccaggag cggcttgtcc gggcctacga 540
gctcatgctg ggcttctacg ggatccggct ggaggaccga ngcacgggca cngtgggccg 600
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<210> 1534

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1534

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<210> 1535

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1535

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<210> 1536

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1536

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<210> 1537

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1537

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tgctggcttg cgggtgctga ggtcatattt gctgggtgag aggggtcagg ccagatatga 180
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<210> 1538

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1538

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gttgtggaag agttcagtat tgtcaacaat atttttgatc tgcagttggt tgaatctgca 180
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<210> 1539

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1539

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gctggccggg catggtggct cacacctgta atcccagcac tttgtgaggc cgagggtgggc	240
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<210> 1540

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1540

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gattgaattt tgctagggat tgcattgaat ctgtatatca atttagagag tattgcctct	180
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<210> 1541

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1541

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<210> 1542

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<212> DNA

<213> Homo sapiens

<400> 1542

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<210> 1543

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1543

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<210> 1544

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1544

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<211> 850

<212> DNA

<213> Homo sapiens

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<210> 1546

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1546

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<210> 1547

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1547

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<210> 1548

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1548

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<210> 1549

<211> 772

<212> DNA

<213> Homo sapiens

<400> 1549

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<210> 1550

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1550

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aatcacttga acccgggagg tggaggttac agtgaaccga gatcgtgcc a ctgcactcca 180
gccccggcaa cagagagaaa aaagaaaatg tggtcaggct ctgtgttcta ctgtcttccc 240
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caggcctagc cctgtcagca ccaccctcca cagatgcccc aacagcccca gcgcatttct 480
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agcctggatc agtaggacac tgccttggcg ttgctgggtgc cccaccccaa cttanccang 780
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<210> 1551

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1551

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tagccaacaa ttacaaata ataaaatata cattgcttgt attataaatt ccatttagcc 60
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gatggctgcc atgcatgaac agttgtcttt ccagcgtaaa tattgggtaa tatttttgcc 180
acagaaacaa caagacata tgcagaact tcattcactc accagggatg ggaacaactt 240

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ccttgctaaa ttggaaaata attttcaa atctgaaagaa tatctcttca gttttgtatg 300
 ctgttcacag tgtaatacct acagacacga aacactttta agttatacct gcagtattaa 360
 tgctttctcc atcactttct taagcccaga aaatcaacag taaaccacgc ccttgtttgt 420
 agcatttgct gatttccata tgggaatatc ccgcatggc caatttcaag ctgctcacgt 480
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 tgagatcatg aggaaggggc aatttgtgaa tattcattac ctttgnnttt agtataattt 660
 attcaattgt aagcttctat aatttaattt ttaataaaga ctgtgtttta caaccagctc 720
 acaaagggtc tgaaaatgtt cacaatcagt tccgttaagc cagtgcctgg cggctgcagc 780
 gcaccactgn atattgggaa ttgnacgggt agaaggttgg ctttctcttg ggacaagcnc 840
 ctttaagggg a 851

<210> 1552

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1552

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 cctataatcc cagcactttg ggaggccgag gtgggcggat catctgaggt cgggagttcg 180
 agaccaggct caccaacatg gagaaacccc gtctctacta aaaatacaaa aaaaaaaaaa 240
 attanctggg catggtggcg catgcctgta attccagcta cccagctacc cagctacccg 300
 gctgaggcag gagaactgct tgaacctggg aggcagaggc tgcggtgagc caagatcgcg 360
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<210> 1553

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1553

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ttgctacatc aaagagagag atccttttgt ttgtttgttc gtttgttttt tgagactgag   60
tttcgctctt tcgcccaggc tggagtgcac tggcatgac tcggctcact gcaacctctg  120
ccttctgggt tcgggcgact cttctgcctc ggcatcccga gtagctggga tgacagggtc  180
cagccaccat gccagctaa ttgagnatt tctagcggag atggggnttc accatgttgg  240
nca                                                                    243

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<210> 1554

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1554

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caataaaatt gtctaattgt cattctaacc ctattatagc agtttctcaa actcttaaaa   60
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ttcttttaca tcagtgcata gcactcttta tgagcactaa atgtgggtaa aggtacaagt  180
cagagagcac ctgttttagt tatgtggcat tttaaattga gtccttttgg ggtactagtc  240
tatcaagaga gacacatttt cttatccatg tcaattttgc ttcctatttt cttatccatg  300
cctttcactt ggaatgacaa cagttgacat taaaagctg ttggcaggta tggaataacc  360
ttattctgtt accaaatagc aaagaccaa gtgcatgtga ggtgtctcac aggtttaata  420
aatcagcaat tacatctctc gagtgtgata ttataggtg gcatttagaa cttggggcgt  480
aacaatgcgt acaaagacat cattctatct gcacctaatg tccgaaattc ctactgctcc  540
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gcagacagca acctgtccta catgcaagtc acaatcactc atgaaaatta gtttatgttg  660
cttatagctt cgcagcttgt gagctttcac tagagccgag gaagacttca aagcgactag  720
atgttagcac ttctgccgaa nggatatttc ctggatttca ctccatgtgn ttatccctt  780
cttccatcta aggactctag ctactaacct tcccggcctt aaggggttac cacaggcatt  840

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tttaaccgca ttcccttttt ccnttt

866

<210> 1555

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1555

gagaaagaat aggtcagaag caatagtaaa agacataata acttgagaat cttccaaaac	60
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caaaaataaa gggaaaagag aggaaaaatt gccaaaacaa agaaaatctt aaaatcagcc	180
aaaggaggaa aaagatacat taccttcaaa ggagcggcag taaagacgga cagtctactt	240
tgcaaagaaa tggaaatcaa aatacagtgg aacgatatct tcaaagtgtt gtaagaaaat	300
aactgccaac ctagaaatct gtatgaagca aaaatatctt tcaaaaatga agtgagaata	360
tagacatctt cagacagaca aaattagaat tcatcaccag cagatctaca ctagaggtag	420
tataaagaaa gttcttcagg taaaaggaaa attatcccag ctggaagcat ggagatgcag	480
gaaggagtaa agagcactgg aaaggataga tagacgaata catctaaaat aatgtgaact	540
gtgtaaaaca gtaaaaatat tgataggtgc agcaaaccac catggcacac gtttacctgt	600
gtaacctgca catcctgcgc atgtacctgg aacttaaaaa tttttaagt aaaaataata	660
aatggcaaca gcaacacaga aagctggaag agagttctga tgggggaaaa acacagggtta	720
tttttcctcg gctctcactc tacaacagtg atcatcacag aggacttctt tgaccaaatg	780
tgtggatttc ttccccaggt gccaaaggcaa ggccatcagt ttntgcaatg ggccnccaac	840
ttgggtcggg cttaacncc	859

<210> 1556

<211> 714

<212> DNA

<213> Homo sapiens

<400> 1556

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cggccgtcag cttccaccag gtggacttca ccttcgaccg gcgcgtgctg gccgccgggc 60
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acggccgcat caaccacgtg ttcggccacc tagccgactg cgacttcctg gctgcgctct 180
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tgaggcatct gtagcagctg tttcaaacac caatgtcacc tctcctcctg gccccgccc 480
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tgggccacgc cgacccttg gtcgcttgat gtaaaagcca aaagctgctg cctnccactt 600
ggatcatgtc gcctgggatt ttcattccctc gacaaggact aggggttcac acggtgaact 660
gggggaangg aagtgttaag ggggcaagtc gnggnacccc ccctttcata aact 714

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<210> 1557

<211> 803

<212> DNA

<213> Homo sapiens

<400> 1557

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gctaggtcgg ctttaaaatc gatgcagagt aattgcagta catgggtagt tggatgacat 60
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attctgtgcc ccttaccggg ctaatttgaa cacagctcac cgccaaggcc tcctccagca 180
tggccagccc tgggcagaga tcgtcacgaa tggatttgac gggaatgggg ctggggactg 240
tcatgttgaa gcccggtgga gatgtgggac agggacctcg tttgttccag agcctgttcc 300
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atggagtaac attcccgaga ccgtcctgca gtactgcacg tgtgcgtgtc tgtgctttgg 420
tttgtctgtg tgtctacctt gttttagagt aaaaaagtga atctgaggcc agatcatcag 480
tctgcacctg cctctcctca gtataatata aatacagaag aattatattc ctacctaaag 540

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gaattcatcc acatactata tttcaggcat ctattgggtga atcccagaga ccgccgagtt 600
 gtgattatcg aatcgggtatt atgtccttct cacttcagag agacactcac tcgtgttctt 660
 ttcaaataatt ttgaggntcc atctgtcttg cttgcttcaa gtcactaat ggctcttctg 720
 acgcttgga ttaattcttg ncatgggcct anattgggga tataggga gacctgtgtt 780
 acccatatnt gaaggaatcc caa 803

<210> 1558

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1558

gaattttgtg gggacacaga tagtgagatt atagtgggtg ttcactcttt ccctgccatg 60
 ccatgcacac acgtggcacc ttgggtttgt ctggggggag aatgatgttc ccgttatccc 120
 gatgggtgcc agcttttgta tttgtcatgt cagctgctgg gcctgtctta gaagttgcta 180
 ataacttcca ctttaataatt actcttattg atgcattggg tttttttatt gaccaataaa 240
 taatttaggc attggcaatg ttaagaccat aacataaacc ttttctaagt aatttttcca 300
 tattgagctt attagcatct tttggtatct gctgggtttt tagctttaca acaggcactc 360
 acatataaac atgtttatcc tathtagatt tgtagttcct gggagtcaga gttctgtgag 420
 cagtcttaac ttataaagca tggtcagaca tgcttttcag atgattttgt ttcattttta 480
 aaggggaaat ggcattaacc taataggaat tctcctcctg aacctcagag gcagcagatg 540
 gtacagctct ctttgaactt tactgccag gtgaacgttc tctgcattta gatcttcagg 600
 agttttacag actagtgtgg agtgggacat gtaagggnca agangaagag gcaggtttca 660
 acttgagctc ttcttcctcc ttaaagcang gacaagtg 698

<210> 1559

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1559

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gaatattgtg catttaaaag agatgaggtt tcaccatctt gcccaggctg gtctcaaacc 60
cctgggttca agcgatcttc ctgcctcagc ctctcaaagt acagagatta caggcatgaa 120
ccaccgtgcc tggctcctatt ttttaatttt tgaggaaact ccatactgtt tttccataat 180
ggttgtaacta atttgtattc ccaccagcag tgtgcgaggg tttcctttcc tttacatcat 240
caccaacact tgttcattgt ttttatagta gccgttctaa cgagtgttag gtgatatctc 300
atatttggtt gttttttatt tatctatatt tgatggagta tcactctgtc acccaggcta 360
gagtgcagtg gcatgatctc agctcactgc aacctcagcc tcccaaatac ctgggattag 420
aggtgtgcac tatcacggcc agaaaatttt tgtgtattta gtagagatgg ggtttcgcca 480
tgttgcccag gtaggtctcg agctcctgac ctcaagttca ggtgatctgc ccacctcagc 540
cttccaaagt attgggatta cagacatgag ccaccatgcc caccctaatt aacagtattt 600
gtcaaatttt aatgtgcatc anattcttag gtttcagctg gcatctgttt ccagctcttg 660
gtgctatttg caaccttgna tcttangatg aagc 694

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<210> 1560

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1560

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actagcgacc ggtgacctct ttttccccct tgcctggctc ctgtggtggc aggctgggca 60
cgaggaccat gctggggcgg agcctccgag aagtttctgc ggcaactgaa caaggccaaa 120
ttacaccaac agagctctgt caaaaatgtc tctctcttat caagaagacc aagtttctaa 180
atgcctacat tactgtgtca gaagaggtgg ccttaaaaca agctgaagaa tcagaaaaga 240
gatataagaa tggacagtca cttggggatt tagatggaat tcctattgca gtaaaagaca 300
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caccttataa tgctacagta gttcagaagt tgttgatca gggagctcta ctaatgggaa 420
aaacaaattt agatgagttt gctatgggat ctgggagcac agatggtgta tttggaccag 480

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ttaaaaaccc ctggagttat tcaaaacaat atagagaaaa gaggaagcag aatccccaca 540
 gcgagaatga agattcagac tggctgataa ctggaggaag ctcaggtggg agtgcagctg 600
 ctgtatcggc gttcacatgc tacgcggctt taggatcaga tacaggagga tcgaccagaa 660
 atcctgctgc ccactgtggg cttgggtggt tcaaaccaag ctatggctta ntttcccgtc 720
 atggncatcat tcccctggtg aattcnatgg atgtgccagg aatcttaacc 770

<210> 1561

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1561

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 tgtaagaagc agacatgtca cagccctggt tatacagtca gtgtataata agtggttaagc 180
 cgtcagagga ggcagccggt gagaatggga gcatctcagc agccctccgc cccctgctcc 240
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 cacgcaggcc tcctgccctc gccacgactg gctcctgcag cccacctggc tgagaggtgt 540
 gctggctctc gcaggttgca aaatggggac atcacctgcc gcctgggcta cagcgtgctc 600
 gccgattgca tttggggagg gactganggc tgattgtgtt gtggggatgt tgcagagaat 660
 taganaaggc attccaaaaa ggccaacant tcg 693

<210> 1562

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1562

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tcatccatgt ggatacatgt agctatagct tattgatttt tccatgtgaa ccttttgaaa 60
tactggatat taattcaaga caagttcttt aaatttgagc ctaaaaccca gtagcactct 120
gtacattgaa aatttcagat tcataagaaa ccatcagtcc tgactggaac ttcataattt 180
gttcatttgt ctgtgttttg ggggaaaaaa ctttaaaacc tcaaccattt atcaaggaat 240
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aaagcattca tttgaaggag cctagccatt ttctctttct tatttaaaga ctgggcttgg 360
aacttagcag ttacatatgc agggtagcga gttaaaaagc catgtttaat taacaggcgc 420
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tctgcatatt ttaaaggact ggcatcttta tggtaagaaa gccatataaa taaagatata 540
cttagatgaa aatcggaaca tgtttttaaa atagtgtgtg tctactttca tctctgttat 600
caaacttgct gcataagcca gagttgatgc tctgtgatta tgctaataac caaaagaatc 660
gatgatgcga gactngatgn aatcagngg 689

```

<210> 1563

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1563

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ttttgaataa gaattggcgt taactcctcc ttgcaatgct gtgagcattg tagaaaaaac 60
ctgggcaggc actaggaaaa tgagctcttc tgggtggttct gccactggct ggttgtgggg 120
acctgggtac atctgtcacc ttcttgggcc ttcttaatta ggaaatgctg ctttcagaat 180
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ttcattttta tcttctatct ccatggctgt gcctttccag aattaaatga aatgtttctt 300
gatgcanact gttataatct agtagggtgg tttggcaaaa aaaaaaaaaa aaaaaaaaaa 360
gtggagggaa aaggtaatga gtganatgtt ggcaaaaagg gctgtgtcca caattgctca 420
tcaaagctca tgtgttactc acccatntc agctgctgag ctccaaacac tgggtgcagta 480

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aaataaaaat gaaaatgcct cctgcctcct actgcttcct cctacataca ccttaaggaa 540
acaagatcca gattttctaa acaattttct tcattttact ttattttgat tggcaaaatg 600
tcataggaaa tgacttgta gtgtatcaag ttacatatg tatttccatg accatacata 660
gaatgttggc acccatagat ttgaaatcag actttntgct gcatcattag naticataa 720
ccggt 725

<210> 1564

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1564

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tggctagaaa cccttctggt tgcaggtcgg ccagtaccta cggagacaaa tgccagcact 660
tgagtcttca ctcggtctta agaaactggn ctggtctgac ctgggaattg gctatatgct 720
tccccgggac ttggaaccgg nacaattccc cggactgtgn aat 763

<210> 1565

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1565

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aaaatgagaa acccctacac agggctctat gtcccctcgc cctctccagt caaggccacc 60
acaagccaag ggaggtctgg gcgtgagagg tgagaccctg tgctccccct gccctgggtg 120
gaggaagggg gtgccctgcc accctgagaa caatgggtgtg tgcagaagag aagggactga 180
aactctttga agatgttcca ggatttagca cccaggggagc ggcgagagact cagccccacc 240
agcctccggc acggagggag gaaagcggtc cccaggctgc tcaggagaac gtttgttgct 300
gtagtgggca gtcaccttcc aaccggggac agtcaccccc ctgctcgggg acagtcaccc 360
ccccgctcgg ggacagtcac cccccgctc gggcacagtc acccccctgc tcggggacag 420
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ccaatgacac ttctgcctaa gctcgcgctg cgggaaggna agaagccagg ccaaggtccc 660
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<210> 1566

<211> 666

<212> DNA

<213> Homo sapiens

<400> 1566

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gaaaatgtgt atgtgtgtat atgtgtgca gtgtgcgtgt gtgcgcgcgc tgtacctctc 60
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ggtagctca gaagccatca gatcgtggcc tactggtcc cagttgtgga gtccgatgag 180
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accacccagg agccacctgg ggggcagggc aggggctgaa tccactggg ggtgactgtc 360
tctcacatga caggagtcca gggcatgcat ggaggctcct ccgtgtcatc tagcggcagc 420

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tccttctgtc actcctctgt ggcctggagc ggcctgctgt ctcccgtca cgagccagcc 480
 cgtgggcatac agcaccgcaa gagcagggtc cgtccatctt ttgaggcacc cccacccccg 540
 ccacacagtg ccttctgttt cctctcattg ggcagaatcg tgtcatgtgg ccgcccagtt 600
 gcaagggagc ccgggaaggg tgcctgggcc cttgtncaac aaaactggct ggttgggann 660
 aatgcc 666

<210> 1567

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1567

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 cgccctgcac gccctctaca gcttctgctt gccgctgcgc cgcgcccacc gctacgacct 120
 ggtcaacctg gcagtcaagc aggtcttggc caacaagagc cacctctggg tggaggagga 180
 ggtctggcgg atggagatct acctctccct gggagtgtg gccctcggca cgttgtccct 240
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 tggataact gtgtgcaaat aggaggtttg aggtccaaat tcctgggact caaatgtatg 660
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<210> 1568

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1568

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cagagctggg ctattagctt tcctcaagaa ggaaaaagga gtgctacaaa agttaatac 660
tgatttttaa aaaaaattgg cattcacaca atttctacta ccacagatga gacttctttt 720
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<210> 1569

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1569

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ttcaacgctg tatatgcgga gtctgacttc cagagcactt ttgtaatcca aatgccacgt 660
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<210> 1570

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1570

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cttctgatct cgctgtttgc tccacccttg ctccccaccc actatcagct ccagcgggtg 480
ggggtgaagg gctgtcccca ggccaacacc tccttncagg ctttggggag tggggattct 540
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<210> 1571

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1571

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gattcattgt ttctcataag aattttctgc tggctcatg cggacttgct cgtgtcctag	180
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gcagacctat ggagaaatgc aaatctgtca tcagccttga aggatgggac aaatttggtg	780
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<210> 1572

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1572

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 cggatgccct acccttcgcc tgctgtctt taacctgccg nttctnctgc cgacagcctg 720
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<210> 1573

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1573

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<210> 1574

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1574

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aatt 724

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<210> 1575

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1575

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<210> 1576

<211> 748

<212> DNA

<213> Homo sapiens

<400> 1576

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 caattccgtg caaagatgat acatctttga agttgatgag gcctattaat tgagcttatg 660
 ccccttaaaa tgaattanat tcttgaaatt accacacaga gtacatccat tagtggttct 720
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<210> 1577

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1577

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ctgncattaa ccaaaatgaa catttgncac ataattttaa acctactgta gtacaacaag  780
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<210> 1578

<211> 812

<212> DNA

<213> Homo sapiens

<400> 1578

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tcttttagtta ttcaaattgt gaggttaaga aaggaactcc taagtgtagc tactgcttct 180
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<210> 1579

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1579

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<210> 1580

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1580

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<210> 1581

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1581

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tactgtcaga ttcattggagt tccttgagga aattgctttg gcaaatagat agggaaaatt	180
tacaaatagc acaaaacttg gtaaataaag caatttctaa agaatccgcc atggactagt	240
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ggcagaaggg agctatgcgg acaaagcaaa aggctgggag atgttttagca tgggccagaa	720
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<210> 1582

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1582

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gcacttattt gttctcatgt ctgtcctctc agagccaata agctgtaaaa aactctcaaa	180
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<210> 1583

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1583

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ttgggnaata ggc 793

<210> 1584

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1584

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<210> 1585

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1585

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<210> 1586

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1586

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786

<210> 1587

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1587

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798

<210> 1588

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1588

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<210> 1589

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1589

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<210> 1590

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1590

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<210> 1591

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1591

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<210> 1592

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1592

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<210> 1593

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1593

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<210> 1594

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1594

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<210> 1595

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1595

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<210> 1596

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1596

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<210> 1597

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1597

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<210> 1598

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1598

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<210> 1599

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1599

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<210> 1600

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1600

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<210> 1601

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1601

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 ctttaataca ggcatattaca agaaatggct caacataagt ttcccttgtg tttgtaaatc 180
 aaggttgagg tcacttatga ggcctaactg gtttcgtctg ctcagagatt cttcaggcct 240
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 aacctttttt gaccttgcac cacttcacc ttacctacag gccacccaa gttcaagagg 480
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 gtggaatata ttgttacaac tctcttgaac aaagtacaac ctggctgggc gccatagctc 600
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<210> 1602

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1602

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ccctcagggt atggtagcac cagccactat taagaagccc aaaggacaga acctgaagct  180
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ctctgagaag gccgccttnc tcattccagg gcggaatctg gtcactcatc cagcccagac  720
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<210> 1603

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1603

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ttcctggcgg tgatcaaggc cattgacccc agcctggtgg acatgaaaca ggccctggaa  180
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ncgatcaaga aacagttcac tttgaggctt acacctacaa ggatcctttc tgcagtaaga 780
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<210> 1604

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1604

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ttcctaacag gtctctctgc tttcagtcct accctactga gctgcaactt atacctgaca 180
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tctgtgccct tataaaatag gcttaaggga ggctgttggc tttccacca aatgaggact. 480
cacagaaggt gccatctata aggaataggc cctcaccaga cactggatct gccagtacct 540
tgatcttga cttcccagcc tncaaactgt gagaaataaa tttatattgg ttataaatta 600
ccaaatctaa gatatttttg tatagcagcc tgaatggacc aagacaggtt ctctacctct 660

gtccccaat gacccttnca attttatttc tcaagagttt ttggttctca ctncagtctt 720
tacttaagct accaccacat aatcccatgc tatattttta tatctaaaga ccgcangtac 780
caaaaatcct ntactcaagg g 801

<210> 1605

<211> 750

<212> DNA

<213> Homo sapiens

<400> 1605

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gggccctggc ggtggacgag caggaagctg cggctgagtc gttgagcaac ttgcatctta 180
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agaagacaga tgaagaagag aaagaggaca gagctgcca gtccttactc aacaagctga 300
tcagaagcaa ccttgttgat aacacaaacc aagtgggaagt cctgcagcgg gatccaaact 360
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gagtctatgc catgggtttc aatcgtccat ccaagataca agagaacgca ttgccactga 480
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tatgtctctc cccaacgtat gagctcgcct tnaaacagga aaagtgattg aacaaatggg 660
caaattttac cctgaactgg aagctagctt atgctggtcg aggcaataaa ttgggaaaga 720
ggccngaaan atcantgagc cagattggca 750

<210> 1606

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1606

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tagttaatgg tctccaatgc cattttggcc ttttagaaaa gtgtgtttgt gtgtgtatgt 180
gtatttgcaa tttgacacat cttttttctg acatacctgt tttcaacaag tattttttaga 240
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cctacagtct tcacagctcc caagctntgg cagtacctgt tacgtacagt ttatgtgctt 660
gataatattc agggtgntaa atcattcacg tctatacctt gatggcttct acaaactggc 720
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<210> 1607

<211> 730

<212> DNA

<213> Homo sapiens

<400> 1607

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tggctggccc tgctgctgtg ggtctcagcc ctgagctgtt ctttctcctt gccagcttct 180
tccctttctt ctctggtgcc ccaagtcaga accagctaca attttgaag gactttcctc 240
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tcttatcctg caaattactc agatgattcc aaaatctggc gccctgtgga gatctttaga 420
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ccaaagacct gcagcattga gcgtgtcctg cggaaaacag agaggttcca gaaatggctg 540
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 aagttcctgt gtatgctgag ataacaccag tgaaaaacct ggcatggagc ccagcactga 660
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 aatcattnaa 730

<210> 1608

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1608

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 tttaaagata atgacatggg gaaatgctta ctatctatga aaaaagtaaa atatgaaact 180
 gcatatattg tctcagtcct atatgtttgg agctatittta aatagtgttg ctttgaacat 240
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 tcaattatca gaagaaaaac attttatttt tctaataaca ttccaaacaa ttatgatgac 660
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<210> 1609

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1609

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gaggagggca agatgttggg ccattttgag cgctggagtc atcgttatga tgagtggatt  180
tactgggata gcaatagatt gcgacccctt gagagaccag cactaagaaa agaagggcta  240
aaagatgagg aagatttctt tgattttaaa gctggagaag aagttctggc tcgttggaca  300
gactgtcgtc attaccctgc caagattgaa gcaattaaca aagaaggaa acattacagtt  360
cagttttatg atggagtaat tcgttgttta aaaagaatgc acattaaagc catgcccagag  420
gatgctaagg ggcaggattg gatagcttta gtcaaagcag ctgctgcagc tgcagccaag  480
aacaaaacag ggagtaaacc tcgaaccagc gctaacagca ataaagataa ggataaagat  540
gagagaaagt ggtttaaagt accttcaaag aaggaggaaa cttcaacttg tatagccaca  600
ccagacgtag agaagaagga agatctgcct acatctagtg aaacatttgg acttcatgta  660
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<210> 1610

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1610

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aaaccccaga gctaatagaa gacaagacaa aaacaagctc agagcagaac taaaggagac   60
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aatcaacaaa atagatagac caccagcaag actaacaag aagaaaaaag aagattcaaa  180
taaacacaat aagaaatgat aagggggata ccatcactga tcccacacaa atacaaacaa  240
ccattagaga atactataaa cacctctatg caaataaact ggaaaatcta gaaggaatgg  300
ataaattcct agataaatac acacttcaa gactgaatca ggaagaagtt gaatccctga  360
atagagcaat aacaagttct aaaattgaag cagtaataaa taccctacca atcaaaaaaa  420
gtccaagtcc agatggattt acagctgaat ttaccagag gtacaaagag aagctgggtc  480

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catttattcc gacactatTTT caaacaactg aaaaggagga acttctccct aactcatgct 540
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 tcaggacaat atccctgatg aacatcgatg caaaaattct caacaaaata ttggcaaccc 660
 acattccaat agcaccaacc aaaaggattt atcccgnccg gcccgggcgc cgggtgggctt 720
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 cg 782

<210> 1611

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1611

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 gtccctgana ctctcctgng cagcctctgg attaagcttc agnacctatg ccatgaactg 240
 ggtccgccag gctccaggga aggggctgga atgggtctca agtattagta gtagaagtga 300
 ttacntatac tataganact cagngaa 327

<210> 1612

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1612

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 cactggatca gacctaaagc cagggaaca ctgggtcttg cctaaagccc acagtgacca 660
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<210> 1613

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1613

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 ggacgc 726

<210> 1614

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1614

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<210> 1615

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1615

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 gagggcaggc gaggcgggaa ggtgggctct ggccgccggg agccggggac ggagccgccg 180
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<210> 1616

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1616

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tcccaccag ctgcccactg gccacgtcc ctacctgtcc ccggttcttg ccgctccctg 480
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 cggccagaac atttaggaaa ttgattttcc tggcattgat gaactcgttt tattttaccc 660
 cagtattaat tacttttttt taaaacaaat taatitaaga gtcgtaaaac ctaacaagtg 720
 agccaaacgt ccatagatcg tgtcctgnnt ccgncccttc ccanaattga ccccttccct 780
 tttat 785

<210> 1617

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1617

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 tttcctagtg ataagagtcn aggattaatt ggtaaatctc tttttgaaac tgagagatgc 780
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<210> 1618

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1618

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gctctgagag cccttccana gagcancctc cgagggttc agaacccttc gaaaagccct   660
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<210> 1619

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1619

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<210> 1620

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1620

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gccttagcct ccaaagtgct gggactacag gtgtgagcca ccacgcccag cctgnittgcg 720
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<210> 1621

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1621

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 ttcagcttcc ttcctangga tatatncaga tggatttccc acctttctgg gaatcctggg 720
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<210> 1622

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1622

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 ggggacactg tatctttttc agatattggg cttccttatg aaaaactggt atgggaaatg 480
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<210> 1623

<211> 462

<212> DNA

<213> Homo sapiens

<400> 1623

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 gttgccca ga ctggagtga gtagtgcaat aatagctcac tgcagacttg acctcctggg 180
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ttacaggtgc gagccactgc ctggccagct gaatgttttt acatgtttta tatttcttat 420
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<210> 1624

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1624

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<210> 1625

<211> 780

<212> DNA

<213> Homo sapiens

<400> 1625

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<210> 1626

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1626

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ctactcagga ggggtgaggca ggagatttgc ttgaacctgg gaggtggagg ttgcagcgag 540
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gtcgttttgg gaaccagtca ccgnttcttt ttgatagccc ctggttttgn taggggaagc 660
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<210> 1627

<211> 661

<212> DNA

<213> Homo sapiens

<400> 1627

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<210> 1628

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1628

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aaaagacagc ttcgttcacg ccgtcccacg gnaacgtanc agccttaaca gacaggagct 780
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<210> 1629

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1629

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<210> 1630

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1630

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<210> 1631

<211> 816

<212> DNA

<213> Homo sapiens

<400> 1631

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<210> 1632

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1632

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<210> 1633

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1633

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<210> 1634

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1634

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<210> 1635

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1635

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actgaggaac caccagcccc ttcaggcggg acagcagacc ctgaagagaa ctgctctaac 720
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<210> 1636

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1636

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<210> 1637

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1637

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 gaaggaggag gataagttca ngtagcctga nggactaggg aagcccagat gggaagacca 780
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<210> 1638

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1638

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<210> 1639

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1639

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 caaaacctcg tcattaaaga caaatattc agaagatggg tgcacaaaga aggctttagt 720
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<210> 1640

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1640

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 caagtcgtta aggaaactcc agaatatcgc tgcattgcagt cacagttctc cgtcttgtat 540
 aatgagagcc tacagttgaa agcacacttg gatgaggctc ggaccctgct tcatggcacc 600

agaggaaccc accagcacca gggtgagctt attgagcgag atgaggtag tcttcataag 660
aagctganga ctgaagtaat tcancingaa gatacattgg ccca 704

<210> 1641

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1641

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gaacttcatt aagtaaattt agcttcataa acatcataaa aagatcaatg aatactacca 180
catattcttt taactaaatg ggatgggtcta ggatcttgta acatattgca caatgaagtt 240
tcctgttgaa tgactgtctg gctaaaagta ctctctgtcc ttaaaaatca tattgtacat 300
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<210> 1642

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1642

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tatgggcacc gtcccttgtc caagcagctg agtgctgaca gtgcagaggc tcacagcttg	180
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tcggaccagt cccggggttc cccagcagc tacagccctt caacaggagt ggggttctct	300
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catcagcagc cgccacacta taccacgtcg gcactacagc aggccctgct gtctcccacg	420
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gacagagcat gacagagcgc caggctttat cttatcaaaa tgctgactct taccaccatc	720
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<210> 1643

<211> 553

<212> DNA

<213> Homo sapiens

<400> 1643

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cctcagtctc ctgagtagct gggattacag gcacatacca ccatgcccgc ctcatTTTTT	180
tgtatTTTTA gtagagacag ggtttcacca tgttgccag gcttgtccgg aactcctgac	240
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gcccggctga ttttaaattt taaaattaag ctttgtatag cctgggcaac atggtgagac	360
ccttcacaa aaatgaataa ataaataaaa ttaaccaggt gtggtgatgt gtgcctgtag	420

ttccagcgac tggggaggct gaggtgggag gatcccttga gcccaggagg tcaaggctgc 480
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<210> 1644

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1644

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 gaataaaatt catagcacag tcatattaaa aaacgtccac attttcaaaa gctaactaca 780
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<210> 1645

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1645

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ccgcaaaacc aagagcacgg aggagcagct ggaggagcag cagcagcagg aggaggaggt 660
ggaggaaggt gaggtggaac aggtgcaggt ggaggcagat cacaggagaa aggtcccgtn 720
cgaccctntc aacctgagct gacttgcant ga 752

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<210> 1646

<211> 445

<212> DNA

<213> Homo sapiens

<400> 1646

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cagtccatat gggttacaac agttcaatca agaactaggc caggcacggt ggctcacgcc 240
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canangttgc aatgagccan gatcg 445

<210> 1647

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1647

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<210> 1648

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1648

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<210> 1649

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1649

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 tcttagtaag aaggtaatta ttccaggcac cagtttcac tctactggaa agggaaagaa 780
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<210> 1650

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1650

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<210> 1651

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1651

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gatgagccaa catcactagg gggtgactgc ctgtgcttca cctaagtagc tcacttgatc  540
acagtagccc acatgttttt actgaagtcc ccactttcta agctatgcca tagaattaca  600
gggaggccat gcagcttata agcattacac agcactaagt ggtggagata ggactgcagc  660
taggtctgcc ccactctgaa gtcttcagtt gnttgtgctg cagcatgctg cctctggctc  720
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<210> 1652

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1652

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agcccggtaa gccctcctcc tcttcccctg cagcctcagg gctggagcca cagctgggag   60
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caaatgtgag aatactgggc agggggaggg gagaaaggag ggaatggagg gctgagcctg 180
 gaggcataaa aggggcaacc taggcagcgg tatgggggag tgctcagagc ttggagtcct 240
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 ccgagagggt cctggaggac atttttccag caaaagaggg aggggtggtgt ctgggcctag 360
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 aggcattggg gcatgattcc acctcgctag cccacatgtg ttcttcacgg agggctgctg 540
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 ggagggtatt cgatgttgct ctctcagttc ccggggctga tgtggaagct caaggcttgc 660
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<210> 1653

<211> 863

<212> DNA

<213> Homo sapiens

<400> 1653

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 gtgtctgggt tccttagact ttgatatgca ggccaaagtc caagggtat gcaaacataa 240
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 tttaaaccct gtaaaaaaaaa aaatactatg cttgaagaaa gaaatcctgg tgcatataaa 360
 aactacaatg agtaacagta atacaggtaa gaatcaagca ggccttgagc aaaacagtcc 420
 attattactg tgtaaaactat gttgctatga tacttatttt gagcctttat gcaccagcac 480
 atacatagta agacacacaa gatagttcaa caaaatctaa gtaatatata aacactgtaa 540
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gtatcagaag agatttcaac tcaacatgaa aattctacta cttggaatta tttgaaaaat 720
 caagtatttg aaggaaaaaa ttatttttca tctaaagaag cattacattt ccttttgcta 780
 gaaacgattg acaatgatgg aatttttctt gacatataat taaatatgga cctnttcaag 840
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<210> 1654

<211> 918

<212> DNA

<213> Homo sapiens

<400> 1654

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 atacgtagga atcacatcca ccttaaacad gccacttat ggcatttggg ctcacacagc 360
 caaacagctg ccattgtctg aagtaacgca tgggctgttg ggctcctacg gtgtgacaga 420
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 taattatcat catttccatc tttcaaaaac aaatgcttaa agatgccatt atttacccca 540
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 gtcacttttt aacccttctt gagccttact tttccgcatt cttgngaaat gggncatcat 840
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<210> 1655

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1655

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gcaaagctaa tagctttaaa caaaaacaaa agcaatacaa agaaaccaga tcaaaacata   60
taccacaaga agaattatac aagaaaataa tatctatddd ccatactagc aaataaatag   120
aagacattgt ggcctcctta aaataaaagg tcaaggccag gtacggtgtg gctcacacct   180
gtaatctcag cagtttggga ggctgcggcg ggtggatcag ctgaggtcgg gagtttgaga   240
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tggtggtggg cgcctgtaat cccagccact cggtagactg aggcaggaga atcacttgaa   360
gctgggaggt ggaggttgca gtgagccgag attgtaccac tgcactccag ctagggcaac   420
agagcaagac tctgtctcaa aaaataaaat aaataaaata aaataaaata aaatgaaagt   480
tcaaaaacta gataacagga ttgaataagt gataagacaa ataaggagaa ataaaattgt   540
ctgtgagaga acaagaagga agtagaagaa gaaaataaaa ctctaattgg accaaaaacc   600
atataggaag caaaaagctg ggagaggaag gagaagaact tctactgata ttaccacaat   660
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```

<210> 1656

<211> 712

<212> DNA

<213> Homo sapiens

<400> 1656

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cctgggggggt caccctgagc cccaaagact gccaggtggt ccgctcagac catggcagct   180
ccatctcctg tcaaccacct gccgaaatcc ccggctacct gccagccgac accgtgcacc   240
tggccgtgga attcttcaac ctgaccacc tgccagccaa cctcctccag ggcgctcta   300

```

agctccaaga attgcacctc tccagcaatg ggctggaaag cctctcgccc gaattcctgc 360
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 cgggcctctt ccaggcctca gccaccctgg acaccctggt attgaaagaa aaccagctgg 480
 aggtcctgga ggtctcgtgg ctacacggcc tgaaagctct ggggcatctg gacctgtctg 540
 ggaaccgcct ncggaaactg cccccgggc tgctggccaa cttcacctc ctgcgcaccc 600
 ttgaccttg ggagaaccag ttggagacct tgcacctgac tncctgagggg tccgntgcaa 660
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<210> 1657

<211> 605

<212> DNA

<213> Homo sapiens

<400> 1657

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 aagccagtcc tgtccagtcc agtgtctgag cagagtcaga atccacacca cccgccgcct 180
 gggctcagaa agttctgctt taagtcatta tttctccact gtacgatggg gaatgcggtg 240
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 catggaaatt gctgggtgtg gtggctcatg cctgtaatcc cagcactttg ggaggccgag 360
 gcaggaggat tgcttgagtg caggagtcc agaccagcct gggcaacata gcgaaaccac 420
 atctctacaa aaaaatcctc caaaattaaa aaaattagcc cgagcatgtt gttgcatgcc 480
 tgtggttcca gctactcaag tgatccttct gccttgggtt tccgagtagc tgcaattaca 540
 ggtgcacacc accacacctg gctaattntt atattttttg tanagacngg gctgggatta 600
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<210> 1658

<211> 626

<212> DNA

<213> Homo sapiens

<400> 1658

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gggtgcattt tgtaacagtc ctgttcatta tgactgttac tccttcattg ctatctaaag   60
agcgtgtagg taggtaaggt catatggatt gggcagaagt ggcagtagga gtgggcagta  120
aggatagaag gaacgtatct cagtgagtgt gcaagttaag tacttggcat aatgtaatag  180
tgcctttcat atcctaaggt caaactgtgg gtatctttaa actgtctaga ccacacgtgc  240
atacaaatcc tcccctgggg atctcctgaa atgcacattc tgatttggga gctcaggagg  300
ggggtctgag agactgcatt tctaaccagc tctcagggtc acttgagta gcaagcacct  360
ccaaaactgc tggaacctgg aacaactgca gggagacctg atctgcccat tagaccacat  420
ctccctgagg gtctgggatg catgtgtctt tgtgcctcct gtaccaagag cagtgcctgc  480
taggaagtgg atgctcaaaa tgatcttttc aactgaactg aagaggctgc tgtcccagag  540
tccgtttacg ttagtggcct tgggaccgca ggggtgtggc gaccagtc tagcctgtac  600
acttattcgg nccancttgg ntatcg                                     626

```

<210> 1659

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1659

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agaagggcgc ggagcaccgg agggcacgca gctgacggag ctgcgctgcg ttgcctcgt   60
ttgcctcgcg ccttccactg gagctgttcg cgcctcccg cctccaccgc agcccacccg  120
gcagaggagt cgctaccagc gccagtgcg ctctgtcagt ccgcaaactc cttgccgccc  180
gccccgggct gggcaccaaa taccaggcta ccatgggtcta caagactctc ttgcgtcttt  240
gcatcttaac tgcaggatgg agggtagaga gtctgcctac atcagctcct ttgtctgttt  300
ctcttccgac aaacattgta ccaccacca ccatctggac tagctctcca caaaacactg  360
atgcagacac tgcctcccca tccaacggca ctcaacaaca ctcggtgctc ccagttacag  420
catcagcccc aacatctctg ctctctaaga acattcccat agagtccaga gaagaggaga  480

```

tcaccagccc aggttcgaat tgggaaggca caaacacaga cccctcacct tctgggttct 540
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 ctgaagcagg cgtggcagct acactgtcgc agtccgctgc tgagccttcc acactcatct 660
 tccctcaagc ttcagcctca taccctcatc ctatcaacct taccacctga ggtcttttct 720
 ggcttcgnta ctaccaacca tagcttcact gtgacagacc caaccactg ggagcttcaa 780
 ctgnaccaga gtncccgaca gaggagt 807

<210> 1660

<211> 775

<212> DNA

<213> Homo sapiens

<400> 1660

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 gccaaaggcag gtggatcacc tgaggtcagg agttcgagac cagcctggct aacatggtga 180
 atggtgaaac cccatctact aaaaatacaa aaattagcca ggcgtaggtg tgtgtgcctg 240
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 tgcagtgagc tgaggcaggc tgcaccattg cactccagcc tggacaaaa gagcgaaact 360
 ccatctcaaa aaaacaaaca aaaaaagat tgtgcagtgt agttgtaaga ttggggagac 420
 caaactgtta aagcgattat tgactgggga actggagatg gttgacatac tttgtcctca 480
 ccaagcccct ttcagttcct tattcacaat gagccactag tgggtgtact tggttctagt 540
 gggtatatgt ggttttattc aactatgtta gggtagataa aggtttacat tattgccgat 600
 tgtattcata tgaccattta ctattccgag tcaactacatg cagctaagct tacagttgct 660
 gagtataaag cactgccttg aagccctata gatggcgtaa gttctgactt ctttttacca 720
 tgtaagatgc atcacgtgtg cttgtgctna nangaactaa aggaccagc cattt 775

<210> 1661

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1661

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caatgttagt atgtatgtaa acatgatagt acagccattt ttttcatatg tgagtaaaaa 60
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tttttccaaa aatctaaaca taattaatat actctttcag ccacatgaat aaataatgag 180
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aagaaacctg agattgcagt cagccaagat tgtgccactg caccacagcc tgggcaacag 300
agactccgtc tcaaaaacaa aaaagaaaag aaaccaagaa acctcaggca tgaacctaat 360
ttaatctcca tgaaagaggt actacagttc tagaatatac cttttatgtt caggaatgca 420
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agttcagtac atatgcattg agcacctgtg tgccagtcag ccgagctatc acattgcaca 540
attctaagaa gcaccattca tgtctcatca tatttctatg ctctgggagt tgcctttcac 600
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tgctgctttt tctttctttc tttttttttt aagagacgga gtcttgctgt gttgcccant 720
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<210> 1662

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1662

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gtaatgattt ttttctattt tcttttttct atttctataa tgactttttt ctatttcttt 60
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aagaatgaaa aaattatatt agaaattgta cgattaggcc gcgcacagtg gctcacatct 180
gtagtcccag cactctagga ggccaaggca ggaggatcac ttgtcaggag tttgagacca 240
gcctggccgg catggtgaaa ccccatctct actaaaaata caaaattagt ggggtgtggtg 300

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gcacatactt gtgattccag ctacctggga ggctgaggca ggagaatcac ctgagcccag 360
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 aagaccctgt ctcaaaaaga aaaagaaaat gaaattgtat gattatcttt aggtttttgg 480
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 tgtatctcct tttaaaatcc aatattagta agctatatgt ataaaaacaa agctagtgt 600
 tcttgaaaag tttttatttc tttattcctt atccctcctt atcccactga actattgaag 660
 aacttcttat agatttacct tcccattagt gctgtagtac agttttcttt tatctccatt 720
 gncttgngtt tcctggctaa attttacttg gtataaaact attgggtcac ttttgncta 780
 gaatagaact ttcatagtat aa 802

<210> 1663

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1663

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 tccttgccat gagccaccac agaaaggcat atactcaacc tttatttata cgtacaaaaa 180
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 aacactatca ccattaagta tgaccctgtg aaatttcac taacaccaa gaagacaata 420
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 ctgttgntct gttctgcat ctgatctaga gtcgcctggc actgccagtg ttccgcttag 660
 agttcagaac tcttggcgac gatcccaggt tttctccant cangtaaact gcatactggg 720
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<210> 1664

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1664

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tttcagtcaa ttatcactgc ctttagaatg cttatcagca ctccagccct tcagaagtgt   120
ccttctcctc ctctggtgtc aaactccaga gtttactttt ggaattaagg tttattttcc   180
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cttcttcact accccaaact tccagtgcac ttaaaaaatt tattggccta accattctca   720
tggggtaata tatcatgacc atcaaaagat gacnctaaag ngaatcctnc atgtatagct   780
gggctttctg                                     790
    
```

<210> 1665

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1665

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tataggtttt gagtagaac tattaccctc acacctggaa agagtaagtt agatctactc   60
    
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aagtctgaag gatgatacag aactgacggt aaacctctct gaaccatgtt taactgccta 180
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tgccccataa aagttgaagt tttttgtttt tgnntntatt tttttacca aatcagccct 420
acagcgattc ctccaccccc attagcaaatt accgtaatat atgtctctag taatcatcct 480
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gccttgtcaa gccctgtttt ccgtgtcttc ataaaccttg tcaggcattt atttattcag 660
cacatatcta ctggtctctg ccaagaattc ataanggatc tgatgaatta tgtcccttct 720
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<210> 1666

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1666

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aagaatcatt gtgaaagacc tagctgaaga tttgtatgat ggacaagtcc tgcagaagct 480
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caaatgtgtg gagcatggaa taacagctca atgaaggctt tagatgtctc ttggaatgtt 660
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<210> 1667

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1667

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cgcgggggacc cgatgcgcgg gagcggaggc cgagatggct tcggcgggag gcgaagactg 120
cgagagcccc gcgccggagg ccgaccgtcc gcaccagcgg cccttctga taggggtgag 180
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cttcgtgaac ccggccttcg aggagttctt gccttgncca caaaagaagt ntgccgatgt 720
gatcattcca cgaggagtgg acaatatggn ttg 753

<210> 1668

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1668

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<210> 1669

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1669

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 ctgccctgac tgactgtagt tcatgtgtgc agcttgcttg cctgggcttg tgaattccaa 720
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<210> 1670

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1670

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 gttctgtccc gggagagaca cagcttcgtc tnggcttgcg gccgtgtccc caangctntg 720

<210> 1671

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1671

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tatagattta atttagcatt ttctcaagta ctgggctttt tttctggcag aatttttcaa	180
atagccaaaa cataattttc cctctgaata ttaaaaaaca ccaacaaaaa agatttttgc	240
acgacaaata atttttacac atgcaaaaaa gtaattttca aaagtaagca cttctgccag	300
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ggataatacc atattcagtc cccctgacaa acccctgaaa caggtaatgt cattagtcct	420
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aatatgcagc tgagtgggag ttgagtgcta ggctgttga tttcagagcc tgccctctta	540
aattgctacg tgacactgac tctcatatgt atttatgttt tatcaagctt aatataggat	600
aaattgtcgt gcttagggat gtagtctcaa agagtggaaa ttcagacatt agtagaaatt	660
caggtatcag gacagttggg gaccangang ccaaaanggg gtatgg	706

<210> 1672

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1672

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tccaataaat aattttacag tgaaggggcc tggatcaaaa ctggcagtga cacctggccc	180
ctgacaagcc tgagtcacag gtccctgtgc aggtcccagc gtccagtcct ccaagaacca	240
gcactgccgg agcctcgctg tggtttcttc ctccccgat gggaccagct ggaatttcca	300
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gcgctgcctt tgtcttcttc ccatggcctg gcctgagtgc tgcagctggg ccccaggaga	420
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 cctggaccag caaatccttc ttttgnaaac atagctt 757

<210> 1673

<211> 676

<212> DNA

<213> Homo sapiens

<400> 1673

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 tgttgtggca atttgcttgt gttgtttttt aatgtggact gcgagaaaca ggggcagttg 120
 aggtcatgtt gaaatctgct gtggttgggt ctgatgtgct ttctagtatg ttctttcttt 180
 agtgggacca acagggttat aataccttcc tctgagttgg aagataggcg cttctgactt 240
 attgccaagc tcgggtaact gagctggact gcctcttttt cttctctttc cccccacata 300
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 gtacaggttc ttattgacaa aaagcatgtc atgatataat ctaggaaaaa tacttgaatt 540
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 ggactggcag atgcanatgt tgacaggaag aagacccctt gctcaaaata ctatncagt 660
 agcctnagga tatatt 676

<210> 1674

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1674

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cctgcctggg gtgtaataac ccggaagtac cgttctgtta tatcaagctg tcttcatta 180
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ctacgatgaa aaggatccct ttctntgcaa tgcctgtggc ttntgcaa atgcccgtt 660
tgactttatg ctctatgcca n 681

<210> 1675

<211> 546

<212> DNA

<213> Homo sapiens

<400> 1675

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gtctaagaag acttcaggtt tctagcttgg ccaaaccaat tgagctttaa gtgaaatgtg 120
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aactcctaag aaggtatctt gcttaangtc ccacaaccga ataggtggca natccagggt 540

aattca

546

<210> 1676

<211> 709

<212> DNA

<213> Homo sapiens

<400> 1676

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tgcgctcctg gctgccgggc attcgtctca gccgtgactc tcgccaggcc ggggctggcg  180
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cttcgtgctg tgtcactcca tcgctggggg tacnggttct ggcctgggct cctacctnct  660
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<210> 1677

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1677

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ctggacctgg gaggcagagg ttgcagtgag ccagacggc accattgcac tctagcctgg   60
gcaacaacac gaaactccgt cccaaaagaa aaaaaaaaaa aaaatcccaa ggggctgcag  120

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ctgccaaacc caataccctc tatttaaccc ctactctgtt ttacaagaga aataaaagaa 180
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 taagaaggnt ctggaccatt tattccagac tgt 753

<210> 1678

<211> 779

<212> DNA

<213> Homo sapiens

<400> 1678

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 agatttgccc gcagtatctg tgggtgctctg ggccctcccg gtgtccgtct cttccaggat 180
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cgncctggggg cttgcgggga agaagaggag gacaaggctc tgacctgtta cttggtttca 720
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<210> 1679

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1679

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taaaacttcc agatatttta tttaaaggat cttatgttgt ttgagtcaca cttcgtcatt 180
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<210> 1680

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1680

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gtggtgagat accaccttcc tgagataccc ccatcttcaa agcaccttgg ggaaggggta 720
naaattggnt gggcattaaa aatcctgctg atggtggaac cccangtttg 770

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<210> 1681

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1681

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 tggcatcctt caaagagatt tctttttttt tttttttgag acagactctc actgtattgc 660
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<210> 1682

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1682

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 gagggggang angn 494

<210> 1683

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1683

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<210> 1684

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1684

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756

<210> 1685

<211> 648

<212> DNA

<213> Homo sapiens

<400> 1685

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atatacgata gaagttgatg taaaatgttt tatgcttgn atgtcgca 648

<210> 1686

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1686

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<210> 1687

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1687

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 gggggacagt gatgacagtt gtgacacagt gatcctgtct ccgactgccc gggccgtccg 180
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<210> 1688

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1688

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<210> 1689

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1689

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<210> 1690

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1690

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gtggttcaga gattttgtcc agaggagag acagtgtata agaataagagc tctgaagctc 240
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catgaaccgt aagtcagcta gttaatcagg taattccagg ggaagacaca gctaaggagc 360

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ccttctaagg tcaaaagaaa ccttaaagac tggcctcaaa aactagccct gcttggctta 420
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<210> 1691

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1691

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cacacatacg tgaatgcggt cgccctgaac gtttccccac aaatccagaa tttgacagca 180
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<210> 1692

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1692

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<210> 1693

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1693

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 taaatggagt tttaaaagaa atatataaac taccaaaata gacttgagga attagaaaac 240
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<210> 1694

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1694

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aaggagaaaa aaaaaaatgt cataaatctt attaatacta atggcttttg gtttaccagc 780
angaaataag taaattgctc tcattgggat aagataaacc ttttaataac cattcttata 840
gcnctgagta gtttgaggng g 861

<210> 1695

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1695

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<210> 1696

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1696

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gctgctacta aatatctacc aggagactgc ttgagagaat tgcctgatgg gtgctgagtc  180
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851

<210> 1697

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1697

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<210> 1698

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1698

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<210> 1699

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1699

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<210> 1700

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1700

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<210> 1701

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1701

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 cgtgtggtct ggntaggaag ttgaattgtt gcttccangg ttattctcct tcttgagtca 840
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<210> 1702

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1702

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gcaacatgaa tggaaataga gtcattatgt taaagtga aa taattcaggc ncacaaaggc 780
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<210> 1703

<211> 719

<212> DNA

<213> Homo sapiens

<400> 1703

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<210> 1704

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1704

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gcttcacttt cggctcccgg agtctccctc tactgctcag acctctggac ctgacaggag 120
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<210> 1705

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1705

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<210> 1706

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1706

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<210> 1707

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1707

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<210> 1708

<211> 635

<212> DNA

<213> Homo sapiens

<400> 1708

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<210> 1709

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1709

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 caagactnca tctcgggaaa aaaaaaaaaa attacttaat attaataata aattagngtt 780

ttatattagt agtataatac tggttttgac tagngttaaa atgacataac tttctntacc 840
ctttgcttta a 851

<210> 1710

<211> 775

<212> DNA

<213> Homo sapiens

<400> 1710

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<210> 1711

<211> 816

<212> DNA

<213> Homo sapiens

<400> 1711

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<210> 1712

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1712

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<210> 1713

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1713

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<210> 1714

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1714

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<210> 1715

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1715

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<210> 1716

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1716

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<210> 1717

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1717

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<210> 1718

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1718

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<210> 1719

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1719

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<210> 1720

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1720

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<210> 1721

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1721

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catagaacaa ggctacttaa cttcgctaaa cttnagtttc tcactctgaa aatggggaag   780
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<210> 1722

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1722

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<210> 1723

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1723

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<210> 1724

<211> 486

<212> DNA

<213> Homo sapiens

<400> 1724

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<210> 1725

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1725

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<210> 1726

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1726

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 aaagaaacca aggagctgga ataccgtctg taagttgaga cagaaggata gccatatggc 180
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<210> 1727

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1727

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<210> 1728

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1728

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<210> 1729

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1729

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<210> 1730

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1730

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<210> 1731

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1731

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<210> 1732

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1732

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n

781

<210> 1733

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1733

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<210> 1734

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1734

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<210> 1735

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1735

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ttacacaaaa aaataagaaa gagaaaaaaa acattgttca acatactaca gactcttctc 600
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<210> 1736

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1736

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 tgctggcact aggtatttta cacattaaat cagctcgttc tcacatcagc tcttttaaaa 420
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 ttagatttga cacatagttt gaaaccacta ttaactacct tatgagagcc actgtttgtg 660
 aagtgcctac tatgtgccag gtcccgtgcc gtgcaatttt tgtgaattat ctcgtgtcta 720
 cagtgcctac aatttctctg gtcaatacct tcatgttact ggcgaggaaa gggaactcan 780
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<210> 1737

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1737

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gagtacggac cggtgccgga gagccacgca tgcgcactgg tgagagtctg cccggccggc   180
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<210> 1738

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1738

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atgtaataac attgcattat tttgagcata gtttagaagc caagaagatg ctttcaaaca   360

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 cngtaaagca ttattccttg cttggcaatg cacagagaaa aattatttgc tgaaggaccc 780
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<210> 1739

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1739

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 tcgcttgaac ccaggagttg gaggttgctt gagatcacac cactgcactt cagcttgggc 720
 aacagagtga ggacttcgtc ttcaaaaaaa ataaattaaa aataacaaat ctacaaacct 780
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<210> 1740

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1740

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actaagtggg gatgagcatg agtaacaatt ggaaatctca tacattgctg gtagaaatac   60
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tgacatagca atcctathtt taggtattta tccaagagaa atgaaagcat atccatacaa  180
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attccactta tatgacattc tagaaaaggc aaaactatag ggacaggaaa catcaatggg  480
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gcaccttatt gaatcaatac ctagtcctnc ggangtaacc attattctga tttctacccc  780
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<210> 1741

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1741

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<210> 1742

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1742

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 cgtattcttg aaaaggcaaa gctgtggaga cagtcaaaag atcaggagtt gccagggggt 180
 tgttgtcagt gggttgcaaa ggcaaggatg aataaggaga acacagggga ttttatgtga 240
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 gtaccacact aatgcaatag taggaaaaac tgtccaatct aaacactggg caaaggattt 540
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aatatctttt tttttttttt tttgagtctc tctgttgcct aggctggagt gcaatggcat 660
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<210> 1743

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1743

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aggggattgc cccggaagag ggaggcgtgg acgcgaagga cacgtctgcc acatcccagt 180
cagttaatgg atcaccccaa gcggaacaac cttcattgga atctacaagc aaagaagcct 240
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<210> 1744

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1744

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attatatgtc atgaaactgg cticcttctg catgacctct aaagtaacta ctcccagtgc 180
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gtgagccatg attgcaccac tgcaccccag cctgggcgat agagcaagac cctgtctatt 600
taaaaacaaa naanagaaaa aaaaaagttt aggttctcag ccatcccctg agctttangc 660
tca 663

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<210> 1745

<211> 586

<212> DNA

<213> Homo sapiens

<400> 1745

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gagccttgaa ttcttgggct ctagcaatcc tctcgctca gcctcctggg tagctaggac 180
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gaggtatcta aaattcacia aacttggttag taacagaacg agtattagaa ccagctatct 480
aactcttagt ccagtgggtg cctgtatcat acggtttctt agaaaataga tgtttccang 540

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ccaggtccgg nggctcacgc ttgnaatctg agcacttgga gaggcc

586

<210> 1746

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1746

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cttgggctgc tgcttcagag ggtgcaagcc ccaagccttg gtggcttcca tgtggtgtta	660
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<210> 1747

<211> 550

<212> DNA

<213> Homo sapiens

<400> 1747

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agagacagtt tactgataga ctgtggtaaa ttctgtatgg agatatacag acaacagaag 180
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<210> 1748

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1748

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<210> 1749

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1749

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taaataataa accaaataag gccaggctca ggggctcacg cttgtaatcc cagcactttg  180
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<210> 1750

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1750

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gtaatacatg ccatgcatag accatttctg gaagatccac aagaaacatg taatgatgat 660
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<210> 1751

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1751

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<210> 1752

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1752

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<210> 1753

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1753

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<210> 1754

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1754

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taactcactt ctccctaatt cagattgctt ttcttaatca ttgaagtta atgatacaat	180
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tcatttagca agttatggca tgactgattc agccagtaag aaaaatgtga tgagaatatt	480
ggctaggagt acagtctgct tagatctttt agtttttttt ccttcaaaag ccaatagact	540

tttactcttt aaaataggag ctatgcaaaa acgtaatat tggaatgccca agctgcctcc 600
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gaatcaatga ttcttggtac cttcaatgta cctaccacac tactcatgaa aaaagcttta 720
aaaattaatg gnaaattggt gggncctggaa attctggcng g 761

<210> 1755

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1755

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<210> 1756

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1756

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<210> 1757

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1757

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 catatagtaa gaatccagta aatcacaggt agtaatagtt ataatatgga aaaataggcc 180
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<210> 1758

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1758

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ccattatgtc agcataaagt cttatgaatt ttgtacatac ctttgggtctc ctctttgttt 240
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<210> 1759

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1759

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gttctgtggg tatgtgaatg tcaggttggc aggggtgcagc tgtgtggntc cagatgacca 660
gaagccacaa gcggttgctg cttctctctt gggattgggt ggggagtgaaggcanaccc 720
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<210> 1760

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1760

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 nattataaat gcagtgtaga attttgacct caaagaatct catctagtat catgaaatct 780
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<210> 1761

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1761

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tgctgtcgtg cccaaggcac

800

<210> 1762

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1762

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gttgccagca ggccgaccac tcaagaggcc gtctacatca atgcagtcna aggctatgct 720
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<210> 1763

<211> 682

<212> DNA

<213> Homo sapiens

<400> 1763

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<210> 1764

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1764

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nttagcagaa actttacag 799

<210> 1765

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1765

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<210> 1766

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1766

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gctagggtttt aaacataatt tctaagaata taaaaattta atcaccacca tctttataat	180
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<210> 1767

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1767

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 nt 782

<210> 1768

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1768

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<210> 1769

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1769

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<210> 1770

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1770

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ctctgtactg gcctgtcatg tggtaacca gatctccttg attgcacagt caaccccgct 240
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<210> 1771

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1771

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accctgccct ggcaccaaca tcnggaa 807

<210> 1772

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1772

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<210> 1773

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1773

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cttgtttaga tgagattcca gcatgactcc tttgtaattt ttcataattt tgctattaca	180
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<210> 1774

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1774

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caagatgaaa atgaagccag atattgtgtg tattcctgat gacgctgaca tgggaactgc	360

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 tgaaaaata catcgtggat ttcctaataaaaatgggtc aataacttct atccggagtg 780
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<210> 1775

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1775

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<210> 1776

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1776

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gccctgcctg gtccctcctc tgcgggctct cctctccac tccctcctct gggagctctg  180
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cacacacacg catattcacg catgcacagg cacacacgtg cacatgcca cgcgtgcaca  600
cagccacaca caccctnacg cacacaacgc ncagnaccat gtgggaaggg gttcttcgct  660
tgt

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663

<210> 1777

<211> 658

<212> DNA

<213> Homo sapiens

<400> 1777

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ttaagattga aataagattc ataaaatcac tattaatcaa tgtctcttaa gccttttttt  180
aatctatggg ctacatctca ttttcttat ctttcttctt gcaatttttg gttgaagaaa  240

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tagaatgttt ttccattagg ctccccagag tatggatgtt cctgatgata ttgctatgat 300
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<210> 1778

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1778

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<210> 1779

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1779

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tgtctgtcct taatgcaagc agcccttgga attgggttcta gagctgcatg agctgccgat 600
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<210> 1780

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1780

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tcctaaattt cactgnctta ctactctttg gttgatggct ttgcagaaga cccaacaat 540
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<210> 1781

<211> 678

<212> DNA

<213> Homo sapiens

<400> 1781

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<210> 1782

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1782

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gc 782

<210> 1783

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1783

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<210> 1784

<211> 669

<212> DNA

<213> Homo sapiens

<400> 1784

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<210> 1785

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1785

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atgat 785
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<210> 1786

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1786

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<210> 1787

<211> 468

<212> DNA

<213> Homo sapiens

<400> 1787

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 cgagccacca tgtccagcta atttttgtat tttttgtag acatggggtt tcaccatgtt 240
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 gctggaatta cagtcagag ctactgcacc ccattcagcg gaattgtcag ntctgaggtg 360
 acaaatgttc cccaaatca ctatgctatg caaagacatg cattaaaaac cacagggagt 420
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<210> 1788

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1788

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cttgcacaga gttgccctg ggggaaggag gcaggactcg gactctggcc tcagtttccc 180
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catcctgccc cccacaggaa cctgcttgta cgtgtacccc gcacagcctc aacttcagca 660
agccgccang gcttcgtgcg caaccttgct gtgccagtgc agtacatgac aggccgangac 720
ccanccagg ctcttgccgg ca 742

<210> 1789

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1789

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gacagagtct cgctctgtcg ccagggctgg agtgcaatgg tgcgatctcc gctcaccaca 180
gcctccctag tagctgggac tacaggcgca tgccccaaca ccagctaag ttttgtaatt 240
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ttagaaagct ttccataag tctttctata tgattggatt attaagcaag gctatgatta 480
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tgtttgaaca cttcttccat tcatagcatg tgctcatcaa aaagtgttt ccgtttctgg 600
natgtcaact gtactattta taacctagtt aacaaagccc acatgngaa accttatctc 660

tactaaaagt gcaaaaatta gccaggcatc atggcacatg cctgtaatcc cagctaccca 720
ggangctgag gcaagagaat tgcttgaacc tgggaagggt gangntgcgg 770

<210> 1790

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1790

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ttaaaaatgt aattaattgc ttaacagtta tatcttgtga aaacaatgtg gaaatctttt 180
tacattttta atttttgggt caaacaacc taactaatca aagagcagcc acaaaaatcc 240
tcaaaatgca aattagacac aataatgtac agctaccaat tacagatttt agtgtttttg 300
tattccacag caacaaactg ccaagtctta aaaaaaaga agtcaactaa agcattctgt 360
tgttccctga gctctactgt atattctact ggaagatttt aagctctgtc atggacatat 420
gactagaatc acaaattttt taaaagtgt tcagacaagg caaatatcta actatgagct 480
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ttttattagt tttctataat aatcattgct tatactggct tacagtgatt tactgtatta 600
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tttagttaat ctaaaaaatg aatagatttt taaaaaatta atttcagtgg tcttttatgg 720
tatagagtgg atggagtcta acaaaatttt aaaatcttgg caccaaaaaa ngattcccga 780
aaaagatttt ggcataatgg ntntaataat taatcctct 819

<210> 1791

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1791

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gaactttata gttttttcaa aatggcagat acttgcctta tcagagcaga aggttagctt 60
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ctacttacat caccaaacac tcacacagtc tgattataaa atattgagac tgacagtcac 180
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cagcatctaa aactggaaac ctgacttaa attagccatt tcttctcatc ctaaattgag 360
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agttatgctt gagtataact tgagtagggg ccaggtaggg gcagcattgt gggattcagc 720
cnccaatggt gtgattcaat ctggccctnt ggggnctttg ggttcatttt aacgggcatt 780
tattg 785

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<210> 1792

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1792

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gaaagaaaaa gaaaaaagaa agagagattc caaccagcct ttcttccttg gttccctgac 60
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cagggcctgc cagcagcctt ggagaaacca cgagcccatt taacaggcag gacgctgagg 180
ctctgataac aagtgcggtt tcggacaaga gcgggagagg agatggagaa acagaccctc 240
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ggaattacca tagggcccag caatcccact cctggggata gacccacag aactgacagc 360
agggactgaa agaggtgttt gcacacacaa gtgcacagcg gcatgattcc caacagcccc 420

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agggtggaag ccaccccagg cgcccatcag tggataaaca cagcatgggc caaccagaca 480
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 aaccttgagg acctcacgct cagtgaagg atccagacac aaaaggacgt atcctgtgtg 600
 atcccactcc tgggaagtcc ctagagtcgt cagattcaca gagacaggaa ataggatgag 660
 tgagtgccaa gggctgggga gggggacagg gantgagtgt ttcattgggga cagantttca 720
 gtttgggaan aaggaaaagt tctgga 746

<210> 1793

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1793

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 gaggccgagg cgggcagatc acgcggtcag gagttcaaga ccggcctggc caacatactg 180
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 cagtgaacca agatcatgcc attgcactcc agcccaggcg acagtacgag actccgtctc 360
 aaaaaaaaaa aaaaaaaaaa gaaaaccata cattcaaaa atagcgattg agcattagct 420
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 tagcaagtgc aaaggcctgg gggtcagaga gagcaggatg catttgaaga gctgtctaca 660
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 ccttncat 728

<210> 1794

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1794

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cacagccaga aacagaagtc caaaaggaaa gaaaagccac tggagagcag attgaggaaa   60
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ttccttcctt aaatatcact gtcaccaagc tgggcacctc aaactcctaa ctgcttcaca  180
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acaaggggga agacatgagc aatcagacca tcaatacagg gtgatctgtt caacaactga  660
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<210> 1795

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1795

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atttgggaata agcatgaact ttggagccag acatctggat taagatatta gctatactgc  180
taatacactg acttaccttg gacaggtttc ttaccgtgtc tttaaagcag ggataataat  240
acacacctta ttgggttagt gtgcagatat aaggagatga tccatgtaaa gtcccaagta  300

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taatgccagg aagttagtag gtgattatta aaagttagtc attatTTTTg tgtctctctt 360
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 cttctacaat gagggtgcca acatgtgttc ctgagtccac ttatcgtcat caccattgct 480
 gccaaagcaa ttgttatggc tttgttagcc tccccattta atttagcaaa tactgaactc 540
 cttaaaccaa gctttagttc tttcttccct taagatgaat ttgttaatct taaccctaag 600
 atcatatgga attaaaaaag agcccaaata gccaaagcag tcctgagtga aaagaataaa 660
 actggaggca ttacactacc tgacttcaaa atatattgca aggctatagt aaccaaaca 720
 gcatggtata aaaacagacc cataggccaa cggaacagaa cagagaacct atnaataaat 780
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<210> 1796

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1796

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 ccagactagc ggagctggac gccggggcga gcacggggag gggcgaccg agggaggaga 480
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 caccgcttcc tccccgctt cccattcagg tgggcgcaa cggcgggagc gaggggtgtc 600
 aggccgncgg gctgcaggtc cgagcacgca cagggagaac tctgccagt gttcncggg 660
 cgctgtantc cccgggatct a 681

<210> 1797

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1797

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tgctgcagcc acaacaagtg ccaccaccag gggccttcca gctgccagtg caggctttcc 60
agagccgggg actggggaac ctgcagtcac cacctnagca attctggtgg cagccaggcc 120
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aggctttggg agcccacccc ttgtaccagc acgcccttga tgtgggatag gaggtcaaan 660
gaagttatit tggagcttta agattaatga ctgctctgct tggnttttgg acttgng 717

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<210> 1798

<211> 636

<212> DNA

<213> Homo sapiens

<400> 1798

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aaaaagcgtc caggttttgt gacgcacaac tgtagtctga gctacttggg aggcctgagg 60
caggaggatc acttcagcct aggagttaaa ggccagcctg ggcaacatag caagaccct 120
attccacac aaaacaaata cataaattct agaagatgat ctcgaatagt ttttaaagtt 180

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aaaatagcca cttaaataagg attgttgagg ctatccgtat ggccacaatt atgactgagg 240
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 aacgtcggga gtgtgcttgt ggagcttact acctcgagag gtgatgcagg cacaaaataa 540
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 angcggctct gggtgtttgg ntaccaccgt naccct 636

<210> 1799

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1799

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 tta 723

<210> 1800

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1800

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gtagtgttta atttctctgta ttcttattaa caagattcct ttattcattt atttatcaaa  180
tagttatcga gggccttata taccagacat cagtttaggt gtttaggata cattagagtt  240
aaaaaaagac aaaaatccct gccctcgtca acttaaattt tagtgaggga aacaatacat  300
aataaacata ataaatagta aatgacatgg tatgtaggaa agtgataagt gttatgggaa  360
aatcagaggg aaaggggggt agtgagtgtt gagggaatgt gggttgccat tgaaatggag  420
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gnctcatatg atcnttaatt atccttcagt aaactagcct ggacctggtc tcttggcaca  780
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<210> 1801

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1801

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tgggctcaag cgatcctcct gccctcagcct cctcagtagc tgggaatgat aggcgcggtgc  120

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catcatgcct gtatgaagt gaaatgaaag gctggtataa gctgtaaagt ctttttgttc 180
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 cattccttaa agcctctgtt cacagtcaca aggtgtactt tttaaaggaa cacagcacac 660
 aaatgtgacc gctagtggac agcantggca gcccanttgg atggcagagc ctggcatgcc 720
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 g 781

<210> 1802

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1802

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<210> 1803

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1803

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taagaacaga ctacaaaaaa atatgccttt caatcctgaa gagtaacctg aactatacac  180
tagttttgtg ctttaatttt catttgtaat ctgccttcaa taaagagtta agctagtgga  240
atztatgtct tagcttggtt taacacaaac acgaatattt gtctgcttgg cattaaaggg  300
taaagatatt ccatagctgg gaatcttaat ctgaggtacg tgtaaacatt cagggactat  360
atgatctctg agaatttgta tgttgtaagt ctttgtggca gtgtatacat ttgtgttgca  420
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<210> 1804

<211> 750

<212> DNA

<213> Homo sapiens

<400> 1804

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actaggacca ataattggga gtgtgagggt gacaggtttc agttcagtat ctgaaaatta  180
ggctactaga gctgcccaac tgtggaacag gctacctgaa taggtactga gcacctcatc  240
ccgggaggca ttcaagtaga ctctggctga ctgccttgat gacagtgttg gatgagaagc  300
tgtattagtc tgttctcgca ctactgtaaa gaaatactg agattgggta atttataaag  360

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aaaagagggtt taattggctc atggttctgc aggctgtata ggaagcatgg ctggggaggc 420
cacaggaatc ttacaatcat ggtagaaggc gaaggggaag caagtacctc ttacatggct 480
ggtgcaagag gaaaagagag agggggaagg tgctacacgc ctttaacaa ccagatctcg 540
tgagaactct attgagagaa cagcaccaaa ggaatgggtgc taaactattc aaaagaaatc 600
acccctgtgg tgcaatcacc ttccaccagg cccaccttc aacattaggg atcacaattt 660
gacatgagat ttgggtgggg accccaaatc caaacatat canaagctgc ttttactgaa 720
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<210> 1805

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1805

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tagtaaatg gttgcatatt caggaaggta aaaggaagac aatgggtggt taaagaaaaa 720
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<210> 1806

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1806

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cagctggaaa atgctttttt agaatggcct tcctaaaaaa cgagcgagtg gatgctgccc  180
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<210> 1807

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1807

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gttaaaaatg cagatttctg gacttccaca gtctaccaa ccaaaataga tggcaatgag   60
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gaggtgatgg caggaaaggg aaagagggga aagatggatt tttctgataa tatttggtaa  180

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aaagttggta tcatctccta aaaatatata actgaaagga agcaaggagg atggagttaa 240
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 tgaacttccc gtcaggcaag tgacctgctc aaggtgtgac cagcaaggtc cccaattaga 720
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<210> 1808

<211> 730

<212> DNA

<213> Homo sapiens

<400> 1808

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 aggatttggg cgggcagagt aagtttgctc ccaccgtttc agacctctta aaggagtcaa 660
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atcacagcct

730

<210> 1809

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1809

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cttttaaaaa tcaaagttca aacttacagg gtacttagag atttaaaagg gaacaagtca  180
tcagttccta tctcaaaact ggcccattta cccttcttct ctctttctca tttctgatcc  240
tggaacaaaa attattttct catacaacat cgagagcatt gcagacaatg tattatagtg  300
agcaagtatg tgcggtagag gcagattctg agtttaaate ctgattctgc tagtagttgt  360
tgactttgga caaattatta accactaagg tttccgtcat tcatctgtaa aatgaggata  420
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caatcctact gctataacat gaattcgggg atttatcgtc ttgtatctac tagacaccat  600
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aatatgtttc ctttaatcca gattttcatc agttttgaag cacatcataa tccttttaaaa  720
attcctcang ccaggcaciaa tggcagattt ctataatccc agcactttgg gaagncnaag  780
gta

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783

<210> 1810

<211> 894

<212> DNA

<213> Homo sapiens

<400> 1810

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 gaatgaccaa agaaaagtat gggaaggaat gcaaaatctg tgccaggcca ttcacagtgt 240
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<210> 1811

<211> 885

<212> DNA

<213> Homo sapiens

<400> 1811

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ccagtaatac ccatccatgt gccaaagcct cgaatcatgg accccaagag ccacttggg 780
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<210> 1812

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1812

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gaaataaaaa tgaatgtgaa atttgatgag aaggattggc tcctgtgca aataaatttc 180
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tg 722

<210> 1813

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1813

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<210> 1814

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1814

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ctgaatctga acgggttcac taaatataat aacaaaagga aatatttggt tccccttgat 180
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 aaatgggtcaa atttcagaag tgttgatatt ttaatagnta tatcnttttag tatctatagg 780
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<210> 1815

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1815

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<210> 1816

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1816

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<210> 1817

<211> 899

<212> DNA

<213> Homo sapiens

<400> 1817

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<210> 1818

<211> 903

<212> DNA

<213> Homo sapiens

<400> 1818

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<210> 1819

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1819

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atcagtgtag aagaatacct catgtgcaga tgctaggtgg caggccagtc tcattcatct 720
gactagctct caacagtatt caaggtacat ctggagtcctn aacagagttc tgnactcaaa 780
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<210> 1820

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1820

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ggcagcgtca ctggaagttg ttattgtggt aaaagaattt cttccgactt cccgcacgag 660
ttcagttcat gaatcgtctn cggaacacc tgagaagctt accatcggtg tctatactac 720
acgaaggtcc aagctncttt cctggaacct gtgtggangc aacaa 765

<210> 1821

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1821

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 tgcatgtgaa gtgagatctg tgaggagctc tggacacccc acagcccga catcgacatg 660
 ggccctggatg gcgtggagat catcaccaac gcctcgggca gccaccacgt gctgcgcaaa 720
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<210> 1822

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1822

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 ccaggaagcg aggcgagcct cagggtggacg cggtggtgtg gaccacggcg atcagggcct 180
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 cagcctctgt ctgctgtggt tttagtgcgc atggnccctc agaaattatt tttgtccctt 600
 cccgatagtg gctttggggg atggaggggc agagatgcaa agggccagtg gaagattttt 660
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<210> 1823

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1823

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 tttatcttat aactggtttt aggggcaatt ctagtgaatt gtccctaaaa gatgtttgaa 180
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 tttcaacaga ggaaagtgaat gaatgttgga tgtgagttcg gaaaccagag gttgataaag 360
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 gtatagcaca gtgtagtaca agggcctaca gttgtaagcc ttgggaaaag atactggttt 780
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<210> 1824

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1824

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gaggaggagg gaaaaggcga gcaaaaagga agagtgggag gaggagggga agcggcgaag  180
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tggccacctt tgaccggcg cgggggaccg acgccaccaa cccaccgag ggtccccaag  360
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acaggttcgg ctgcataagc ccggaagtgc ccggccatca nggaaatggt gtcccanttg  660
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<210> 1825

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1825

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taggggtact tgaacacaag cactgcgata cagtcatctg ataaccgaga cagtcgatct   60
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ggaggatcac ctccaggga gcaaggggca agatctcatc atgctcctca gaatgctgtg  180
caattaaaat ttatgaattg tttatttctg gaatgttcca tcaaatttt ttggactgct  240

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gttgagcgta actgaaacca tgaaaatgaa gccatgggta agaggggact actgtatacc 300
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 tgggagtcc attttcattc cttcattaaa atcattaaaa tccataataa ttcctgggta 780
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<210> 1826

<211> 813

<212> DNA

<213> Homo sapiens

<400> 1826

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 gctaacatag attgctaaaa acttcaggga acggaaagat ttcttaaaac taaacagtgg 180
 aacaatggta tatttaacta cattaact aaaactttta tttgtcaaga catcatttga 240
 gagcgaaaag gccggtcaag gacatgggta agatgtttac aaatacacag ttatcatttg 300
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 aagtgggtga aagggtcca ccttgcattg caccaggcaa tgcatgacaa agcccaggcc 480
 ttccccgcag aggccaacgc tgacctcct gacagtggca ggactggaag cctcagtact 540
 ctggggccct gcagtgagga cagccctgc ccagtccat ggggagacc tagcatatcc 600
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 gagggtttgt cacaactgnc cccgctggaa tagcccatgg cacttgcaca gtgggatgga 720

gaaactgggg attcttggtg cctgggaagg tgggtggggc tttttncag gttacattgg 780
gcccantggc ccaaaccitt ggggaaangg ttc 813

<210> 1827

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1827

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cttcactcag ttaatctctg gaacctggcg ttttatgtct tcatggctctt tctggcaacc 180
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ttgcttacac tgaaaaattt taagcatgat ctgataaatc ttcttattac acaagccaca 720
cctcatgttg ctncgtgat gccctttaga tcggttcatt acagaatttt antccnactg 780
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<210> 1828

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1828

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ggaggaccac agaagctttg gcaccgagga tccccgcagt cttcaccgcg ggagattccg	180
gctgaaggag ctgtccagcg actacaccgc taagcgcagg gagcccaagc ctccgcaccg	240
gattccggag cacaagctcc accgcgcatg cgcacacgcc ccagaccag gctcaggagg	300
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gaagaagcta aggattgagg ctgatgaggc cccagttggt gctgtgctgg gctcaggcgg	480
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gacaggagtg ggacttggct taaaacctac ngaaaacct tcaagcancg aggtcttgag	720
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<210> 1829

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1829

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ttgggaagca gtcccttttc atgcttatgt tacttggata tatacttggt ttaattaaaa	180
ttgggggcca ggcgtggtgg ctccctgactg taatcccagc actttgggag gccaaaggcag	240
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tgctgaaaat acaaaaatta gccaggcatg gtggcaggca cctgtaatcc cggctacttg	360
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aaacaaaagc tgtatatatt tgcaaaaaca ctatagtaga cataccagac catcagctcc 540
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cagncatttt caactctcca gttccttttg gtatatctct ctaaataata agcctctttt 660
gctttacagt gtttggtatt atttattaac ttcactcctt taaatagggg tcgtttttgg 720
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<210> 1830

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1830

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atgcagagggg cccaggaggg tcttgcatgc atctacatac ttccctgcga gttcttgggt 180
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gagctgcctg gtcaggaggg gggcagtcag catggggcta agttttttac agatctcttg 600
cagacagtgn tgctgctttg gctaaagaag gaatgggaag gcaaatgaca aatggcctnt 660
aacggtgcna agaataatgg g 681

<210> 1831

<211> 633

<212> DNA

<213> Homo sapiens

<400> 1831

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aaaatcaaaa ggcagccaat ccgatttgta aacctttcct ctggcacatt gtcaagatct 180
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ttagaaacaa ggttgcaaag ctttctcctt ggggccttgg gaaggctgga tgaaccctcg 540
cgtctccacc tgatagggt gatccaagt tttctgggtg gtggnnttcc acactggttt 600
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<210> 1832

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1832

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 gcttctgagt ggtatctctt ttaatctctg cccaactctg tgggggnaac actgggggta 720
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<210> 1833

<211> 664

<212> DNA

<213> Homo sapiens

<400> 1833

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 catgaacgac acagccaaac agcaggccgg ttgtagccca cttcgctgc tcacagccca 180
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<210> 1834

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1834

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tcttgctgct aaaagagaaa aaagaaaaga aaagagaaaa aaagaaaaaa gaggaacaga 180
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tgctccttca ttcccaagaa gaaaagacca gtctggtctt tcaaaactna gaccnacttg 720
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<210> 1835

<211> 789

<212> DNA

<213> Homo sapiens

<400> 1835

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 gcccacttaa ggatctgtat caccatgtg acaggcggcg gtatcccttg tatcaagccg 720
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<210> 1836

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1836

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<210> 1837

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1837

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<210> 1838

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1838

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<210> 1839

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1839

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<210> 1840

<211> 464

<212> DNA

<213> Homo sapiens

<400> 1840

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<210> 1841

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1841

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tcagccgagg tgcaggcagc tcagagcacg gaggctgccg cagaggcagg cgctcccag 540
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<210> 1842

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1842

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caatcaacca gaagcctcca ggagcttcta cctatggctt attcacaact gggcaagaaa 180
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ctgtgagacg tcctgccaca cccacanga gacggagcag tgggcatttg gaaccaattc 660
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<210> 1843

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1843

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 tcacagacat taccaagcac aacagaacaa caggagccc tatcttcaga actgccaagc 180
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 aatgctgggc actactgggc atatatTTTT gatcatcgtg aaagcagatg gatgaagtac 540
 aatgatattg ctgtgacaaa atcatcatgg gaagagctag tgagggactc ttttgggtgn 600
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<210> 1844

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1844

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 aagccaataa acagatccaa aaatgttcca ctcagtcatt ttttttttta ggcaggtacc 480
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 ttncaaaagt ggtcagtaaa gggacccgac cttgggcctn ggggaaaacg tttaacattt 780
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<210> 1845

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1845

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 caaatactag gtcttattca ttctgatttt tttaaattct tattttcttg ttataactta 180
 ctgggtgaca gaagaaaaaa caaacaaaca aaaaaccctt acaactccat agctcttcaa 240
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<210> 1846

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1846

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<210> 1847

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1847

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<210> 1848

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1848

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<210> 1849

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1849

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tggag 785
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<210> 1850

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1850

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<210> 1851

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1851

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<210> 1852

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1852

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<210> 1853

<211> 803

<212> DNA

<213> Homo sapiens

<400> 1853

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<210> 1854

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1854

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 ggacctnggg cccatt 797

<210> 1855

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1855

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 gtcgcagccc cgcccgccc ccgcccgc gtccaaggag gagcgcgccg gtcgggagga 180
 gatcctggag tgccagggtga tgtgggagcc tgacagtaag aagaacacgc agatggaccg 240
 ctccggggcg gctgtgggcg ccgctgcgg cctggcgtg gagagttag atgacttgta 300
 ccattgggtc gttgagtcatt attcagactt ctgggcagag ttctggaaat tcagtggaaat 360
 tgtcttctca cgtgtgtatg atgaggttgt ggacacatcg aaaggaatcg cagatgtccc 420
 cgagtgggtc aaaggcagtc ggctcaacta tgcagaaaac ctctgcggc acaaagagaa 480
 tgacagagtt gccctttaca ttgtaaggga aggcaagag gaaattgtga aggtgacttt 540
 tgaagagctg aggcaaggag tggctttgtt tgcagcagca atgaggaaaa tgggtgcnaa 600
 gaaaggagat cgggttggtt gttatttacc caacagttag cacgctgtcg aggcgatgct 660
 ggcttgccgc aagcattggt gccatctgga gcttcacgtt cccggacttt nggtgtgaat 720
 ggtgtgctgg acccgnttt tcttaaaatt caagcccaaa gcttaatctt ctctgtgga 780
 aggcttgntg g 791

<210> 1856

<211> 780

<212> DNA

<213> Homo sapiens

<400> 1856

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aaattgatgg taatgaagga gggttgtgcc atgaaaatac aagagatttc ctattgtaac   60
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ttggagggtca gagggtcttt gtcttgagct ccaagtgggt ctctaagtct aggataaaga  180
ttttacacag ggtggggcag gtggacagcc agatcttcat ttattcttac caagctctta  240
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ctggcatcct attggagggt gcactagcca cttaactagt taagtgagt atatttgggt  360
agggtgcccc taactctgat acgatctgcc ttgcgattct gtcctgcta gtggagtgtg  420
ggggaggcct ggtcttggat cttgttcctc acagctgggt cattcaggag gttagtgtc  480
tgctgaggag gctggaggca gagctccatc ttggcctggc tggctagttt ctgttcagga  540
ctagagctag cacctgtagt cttggcaagc cattttagaa atctaagttg ttggtccatg  600
taatgtcctg gtggttgaac caacactcgt tctttgccat tcctgggcag gtgcttggag  660
aangctgggt agctgtcatg tttttgaag aatgggtgcat cagtagcaca agggtttccc  720
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<210> 1857

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1857

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gagtgcattc cccagtctgc agtgaagacc aagtttgagc agcacacggt ccgggccaag   60
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caggtttact gcgaggaaat gcgtgaagag cggcaagacc gactgaaatt tattgacaaa  180

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cagctggagc tcttggtca agactataag ctgcgaatta agcagattac ggaggaagtg 240
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 gattaccaga tggacttcca cccttctcca gtagtcctca gggtttataa gaatgagctg 360
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 accaactccc tgcagacat gcagcaggac atgatagatg gcttgaaacc cctccttctt 480
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 gacctaaact gtgacaagct gtgtgctgac ttccaggaag acattgagtt ccatttctct 600
 ctcggatgga ccatgctggt gaataggctt ctgggcccc aagacagccc gtcgggcctt 660
 gatgggctac aatgaccngg tccagcgtcc atccttntga cgccagccaa cccagcatg 720
 ccccaactgg cacanggctc gctcaccag ga 752

<210> 1858

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1858

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 ctattttgtc tttagtttct ttctttcttt atttaagatg gactcctact gtgttgccca 180
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 aaaaaaaaaa aaaaaccgcg cgagcggaga agcagggcct gggacccccc agacgaaagt 360
 gccttcccat cagccccctg gctgggcccc gtggaacctg gcgtccctgg ttccacccca 420
 ggggtgcgct caggccgcta gggatacctc aaggcggaca aaaggcccat gaggggaagg 480
 tgaggtttga gggaggatag gtgaggcacc tgtggcagaa aaaaaaaaaa acgcgccacg 540
 gagaaggggg gcctgggtcc cccacacacg aaagtttctt cccatcagcc cctgcgctgg 600
 gccccgtgga ccctggcnac actggttggg gcacagggtg agcctcgggc ctgatagggg 660
 taccccaagg agggcnaaaa gcccatgagg ggaaggtgan gcacctgggg cagagaaaaa 720

aaaaaacgc gccgtggaaa aaccggggcc tgggtcccc acgggccaaa attgccttcc 780
catnaggccc ttgngctttg gcccttgngg 810

<210> 1859

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1859

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ttagataagt aaatttcaga tactactttt agcagaacac attttttaat gtgttggtta 180
taaagtgatc tgtaggtaaa ggaatctgaa aaagcaaatg ctcatgtgtt agaaatgagt 240
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tcccatctct ttgacatttc ctcacttttg ggttctctca tcccttttag agtaaggcac 360
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gttttggtat cataggtttg aaatgtaagt aagcggctca gaatgacctg gttctttag 480
ctaattcagt aagcatttat tgagggcatt gtacatcagt ccaacaaaga aagaacacat 540
cggaatattt gcattatatt taccagttca gcacccaaaa tccaaaaatc tgaaatctga 600
aatgcatcag tgagcatttc cttcaagtat catgcagatt ttggagactt ttggatttgg 660
gatttgggat gcttaacctt caatagttag ttatgtaac ttaaaatgta ctaaattcaa 720
caaaaactga ctgaaaatat gtcangtggt tgggaatttt tctttggaag caatcattta 780
tggnn 785

<210> 1860

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1860

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tgccccggcg cacgtcccg caccacgagg ccgagcgggg cagggggctg accgccatga 180
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gtccctcat gtcagagatt gccgacctca cctacaacgt tgcgccttc tcggagatca 480
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ccatgacgct gatggagtac ctcatcaaga ccggctcgga gcgcgtgtcg caacagtgc 600
aggagaacat gtacgccgtg canacgtga aggactttca gtacgtggac cgcgacggca 660
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<210> 1861

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1861

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gatatttaca aagatttgta aagaagacca ggaaataaca atgttaatag tacttctaac 60
tggttgtag gctatattaa tagaattggg gcttaatggg gcatagtaac agcgtagaag 120
gttaggtaca tacagtcaaa aagatggacc ttccaccagc tgaagctaga ttggggatgt 180
gtctgatgtg catgtctaca ctgcacctgc aaatttgta ctctgaatt aaacatgctt 240
ccctccccct cctcaggta ctcacacagc aagtcttccc tggtgaagg aaggtgaagg 300
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cagacgggaa gaggtagaga gtggctggaa aggcctgtct cttcccttg ctggggacat 480
agacctgtgt gtcccttttc taaagtgggg agtgatcctc cctaacttgt agatgatgtt 540

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cactttgttc ttgttttttg tcttttcaaa taccttccac agtgaataat gtgtataaat 600
 tgaaaactgg aagaaagaaa agggagtcca gatttagttc taaaatgggt aacttggcca 660
 ggcgccatgg ctcatgccta taatcccagc agatgggttt aggccgangc aggaggatca 720
 cttgagccca ggagttcnan accagtcca 749

<210> 1862

<211> 750

<212> DNA

<213> Homo sapiens

<400> 1862

cagnaactct atagagaaat aaagggtttt cccaatcctg gaaaaaatg gttaaaattg 60
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 cctacaatcc cagcactttg ggaggctgag gcaggcaaat cgtttgaggc caggagtcca 180
 aaaccagcct ggccaacatg gcaaaactca tctctactaa aaatacaaag aaaatagcca 240
 ggcatgggtg cacacacctg taatcccagc tactcaggag gctgaggcat gagaattgct 300
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 cacctataga cgtaataagc attgagtttc attttttggt tgtttttgag acaggttctc 600
 actgttacc agcctggagt gcagtgttac aattgtagct cactgcagcc tggacctnct 660
 gggatcaagg gattccccca acctcggcct nccaagtagc tgggactata gaaatgcaac 720
 accatgccca gataatttaa ttttttttn 750

<210> 1863

<211> 886

<212> DNA

<213> Homo sapiens

<400> 1863

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tttactaaat gtttcattta ctgaattgtt tcatttattc cttaaaacaa ctcagctcta   60
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cttaacatag tgcctccaca taagatgtca caagctgcta actactatTT ttgttatgca  180
ttgtctgaag ataagtcaca aagttgggtt ttagctttca ggtaactaat agtgāaggga  240
gaaaagcaac cacttaaaga atttacaggc cgggcgaggt agctcacacc tgtaatccta  300
gttcttttggg aggagaggc tgggtggattg cttgagctca ggagttcgag accaacctgg  360
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tactcatgaa gaaaacatct tacttcatat ttaaaggat ttttaatgtg aatagagtca  720
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gtgatcggac ttaattcaaa gatagatttt gaggggctag angaatggat tgaactttag  840
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<210> 1864

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1864

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ttctgtagct ttgacagcaa ggacatcact acaatgggta cagaaataac acattctgat  180
ccttgctgag atccttgtat gggcctatct taaatctagc ctattgtctg tcttaccctt  240
tgatttttat aagtagaaaa caggaaaagg ctaaccaagc aagaggaagg catagattca  300

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tcttcctttc aatcttgact atagtttaaa gagaatacca tgatctttct gttctattct 360
 tggcttactt gaatathtag ccaggtctct gcattctatt cagtcagaaa acagacacag 420
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 gtagatccag gaacagaatt aagcagacag ttcggtctac actgccaaat ttcttaggga 540
 aaaagagggc aagtcagaag gaggaagttg gcatttggct caaatgacca aattatttaa 600
 gggctctaca cttcactttg caccaagtag acccaagaat gattataatt canctacgtg 660
 tgggtggtgca natcagtagt cctagctatt caggaagctg aagccggtgg aatgggttga 720
 acccangaat ttttaggctt gcaatga 747

<210> 1865

<211> 887

<212> DNA

<213> Homo sapiens

<400> 1865

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 gaaaaatgaa aacccttagt catgttacat attacatttc tggtaagatg tatggtcctc 780
 tggttctaata aaaaanttgt ggtggnttgg gaagtgaaaa atgaatgtga accccaggcc 840

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887

<210> 1866

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1866

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atgtactatt ttgtgactta ttttgaatat ttctgcatca ttaagtattc attatTTTT	180
ctagactata acttgctttg tctactgtgt aaatatgcca tgatttattt gtagntaatt	240
ttttacagtt aataacacta ggatgaactg ttagcctatt agccaatctt tgactatctc	300
tggtctgaaa cagcatatca cttatatTTTg tttggagtag atagagcaaa aagtaaagaa	360
atgattatta ttaaatagga catatcccat ttatcagcag atggttacag tagttcanac	420
tcttttactt ctgaccaga acagatcggg agcaatgtaa ctcgtcaaag gtcagtattt	480
ctgtcaatga aaagcatgtt aaactatctt gctgcgtttt aatgtttaaa actatTTTga	540
accaagcaca aatgattTTg ntctctgaaa gctgttaggt tactttttga tttatgtaaa	600
agacaagtaa ttttgatcct ttccaacttg aatagaaaaa canaaagaac cctgactttc	660
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<210> 1867

<211> 868

<212> DNA

<213> Homo sapiens

<400> 1867

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tttctcaggg aaaagggaaa aagatgtacc aaaggaaata accaaagtat agaaaagaat 180
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 caacagaatt tgaaataatt ttcaagctga ttttattcat tgtttacctc ctttaattata 420
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 ttttatatcc tatttcctta tctacatctc taatatgtac cctattcaat ttcaagtatt 780
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 agncctatct gacaaaagtc cgcnaata 868

<210> 1868

<211> 875

<212> DNA

<213> Homo sapiens

<400> 1868

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<210> 1869

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1869

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 ccttggggagc agcattgact ccctttaacc ctttagctgg cctaaggatt gcaggaccct 180
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 tgatatatat ttctggtcat attttgaggc ccagtgtcta ntccctgatg gacttttatt 780
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<210> 1870

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1870

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aaaaggggag aaaaggcaaa acttcatgaa ctagtatttt aaatgtggaa taaaatgata 180
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gttgacagtga accgagatcg tgccactaca ctccagcctg ggcaacagtg aaacacatct 480
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ctgtgcctgt ctaatttata tatacttttt ctncaccttc acaatgggat cattctttat 720
ctgagtcatt tgctatatct gnatatattg gtttaagggg tgcattcttg ggtattttct 780
ggctctgcatt tatatncaa aacttttgga aaataatttt tttttcttc anaaaggaat 840
gttcaaaggt aatattttct tggtttgna a 871
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<210> 1871

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1871

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ccttactgtt ccccttgctg tgtagaaaca gatgcagtca gaccacata agctggactt 180
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 ccacccccat gacctggcac ggccttcaac tttgttctct gccgctgggtg agtgtgggtt 300
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 gcttgcaagg gcagatcgga aggaacaat gccaggaatt atagaaggat gcggtcgccc 660
 ttaatacggg gcccgagag cactgtaatt ttgcaccggg atgctcantc atgccgggtt 720
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<210> 1872

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1872

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 gcctgtaatc ccagcacttt ggaaggctgc ggcgggcaga tcacttgcgg tcaggagttc 180
 gagacctgcc tgatgatcat ggagaaaccc catctctact aaaaattcaa aattagccgg 240
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 cgtttgaacc cgggaggcag aggttgcagt gaactgagat cgtgccattg cactccagcc 360
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 gtgtgagagc atgatcatga gtcctgtaga gaaagtaacc aaaagtata catttctatg 540
 tggttccctc ccagacaaaa tgccaggctc caccactag ttcaccctcc ctgtagcaa 600
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gtctncatga ccaacctacg agctatgaga tattactacc ctttttttgg atagacacag 720
 angtegaatag cttgcccattg gacacacatc tactaagtgg taaaactggn aatcgaaccc 780
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<210> 1873

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1873

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 tttcaagagt ctgagttgaa tattatgttc tcatttgttt ctatttctag aacaataaaa 180
 gaaaaagaag caagtccaag cagcatcaag gcaacaaaga tgctaaagac aaggtggaga 240
 ggcctgaggc agggcccctg cagccgcagc caccacagat tcaaacggc cccatgaatg 300
 gctgcgagaa ggacagctcg tccacagatt ctgctaacga aaaaccagcc cttatccctc 360
 gtgagaaaaa gatctcgata cttgaggaac cttcaaaggc acttcgtggg gtcacaggtc 420
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 tcagccttcc tgaagccagg attgggggtg aagggggaatg taacagggca gagaataaat 600
 gctcaatcta gctctacacc aagtcagagg attttttttt tttttttttt gagtctgggt 660
 cttgctgtgc aaggctagag tgcattggtg ggtcatagct cactgcactg cagtcttgaa 720
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 cccc 784

<210> 1874

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1874

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attcatcttg tggttggact gtcacagtc atgaggggtc agatatagaa atgttgaatt	180
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agcttcaagc attgcagata gagcaaggag aaagcagcca aaatggcaca gtgcttatgg	300
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aatctgaaga ccggctagtt gctgaacaag aaactgaacc ttctaaggag ttgagtaaac	720
gtcagttcag tagtggcttc aataagtggg gtatacttgc tttggtgatt gcaatcagca	780
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agatccatga agatgaattg atgan	865

<210> 1875

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1875

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acggacacag gattcatgcg gggccatgga acgtatatgg gagaagagaa gctcattgca	180
tctgttgctg gctctgtgga gagagtaaac aagttgatct gtgtgaaagc tttgaagacc	240
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aggtggaagg tggagaccaa ctccaggctg gattcggctt tgctgctctc gtccatgaac 360
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 gtgattctcg gtaacaacgg ctctcatctg atttacccaa cacctgagca caaagaagag 660
 gaagcagggg gcttcattgc aaacctggag cctgtctctc ttgctgatcg agangtgata 720
 tcccggcttc ggaactgcat catctcgctg gtactcanan gatgatctga tgatccacat 780
 ctgtctg 787

<210> 1876

<211> 870

<212> DNA

<213> Homo sapiens

<400> 1876

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 gctcttactg ctgtcagtaa gcagatgatg gcgtaagggg tttagaattt gatatgtgtt 180
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 tttcgtcaag tgtacctgta cctaaccat gactaaaact tacctagatc ttaatttcta 300
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 gtcatgttgc ctgggggaat atgtttcctg ggggaaggag catatctgac tgggtcccagg 540
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 ttttatatgc atttatatcg ctcanngcat ctatttccac ttggtctatt aagtcatggn 780

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cttcgacatt tcctcatgaa agaataagga 870

<210> 1877

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1877

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cggctaacac ttttaagcaaa ttgctaaggc caaggatggg atcctgcaac ccttgggaagc 180
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cttgaagttg aangtagatt aggaacataa accaaaacc cagtccactt aaccacagc 780
agattatgcc angggaattt gaacctgtag tacacttgaa ggtaaccaca gcancagcaa 840
aaccgcctna acttctgggc ttgggttaac t 871

<210> 1878

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1878

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tctgagagca aaactgccaa taaacgatct gcatctactg aaaaacttga acagggtact  180
tctgctttta tcagacaaat gcctttgtca tctgcaggcc ttcaaaattc cgttgccaaa  240
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tctactgata aagaacaagc cgaaaggaag ccacgtgtta caggcgtcac caattatgta  360
atgcagtatg tcaactgtacc cttgcgtaaa tgtactagcg acgaattgag ggctgttatg  420
tttcccatgt cgacaatgaa aatacctcct caaacaaaag tagaagagtc tcccttgag  480
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agcacggact cattccctgt ggtgagcgtg gacgtgtcgc ctgtggtgag cacatatgat  660
tctgagatga gcatggacgc atnccccgag ttgagcatag aagcactccc gaangtggac  720
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<210> 1879

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1879

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ctgcctcggc ctcccaggtg gcttgggaacc gcaggcatat accaccatac ctggacatgt 480
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 tcgaactcct aggctcaagc agtcttcccg ccctggcctt ccaaagtga ggcattttag 600
 gcatgacca tcgtgtccag cctaaatggc attcttgga gtaaaaccac aggggatctg 660
 ttggaagtgg catgatggag gaattttana angaattgna cc 702

<210> 1880

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1880

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 ttgccattcc ctatctgatg aattctgaac ctcagttttt catccaagaa ctggagttaa 180
 aacacctgca ctattataca gggcgtgagg ctgttgtcat gataatcaat gagctgatgt 240
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 aatttctctc tatttttatg gtcattcaat cagtgcagct aataagtcaa tcagctcatg 720
 taatcccagt naccaaagcag caggattgtg gacacacaca ggtgggagcc ctgaaatgcc 780
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<210> 1881

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1881

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ggattatagg catgagctac tgcactcagc ccaccatttg ttttaaaaag ggtggatcct 180
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ttcttaacac ctatatattg ctaccattta tattggcatc atatgcataa aacattttta 660
catttaaaaa ctagttaaaa cagaaatggn tgccctggaa tgtggcctgg gntctttcaa 720
agggaggcca gcantttcta caaggggctt gaaaatggga ctttcatt 768

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<210> 1882

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1882

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<210> 1883

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1883

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 catgtgaatg gatggaaatg aataacttca gctacatttt agagacacta aattccagtt 780
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<210> 1884

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1884

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<210> 1885

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1885

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<210> 1886

<211> 645

<212> DNA

<213> Homo sapiens

<400> 1886

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<210> 1887

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1887

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ttccttgcgg agagcacaag tgagctnact gccctggact tcanggaatc agagttcttg 660
gccgcggggt gaaccaactt ctctg 685

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<210> 1888

<211> 609

<212> DNA

<213> Homo sapiens

<400> 1888

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gtgtgttggg ggtggtgaga atgcgctctc ttcggcccg cccgtccttt ccaaagaaac 60
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gcaccgggtt tcataacaga ctcggcggcc tcgagtgtg ggaagaaacg tgcgagggcc 180
gagggggggc gcggagcccg cgtggaaatc ggaagaagc gcagccctgc gacttccgcc 240

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tgggtcatca cgccagcagt cgggccaagg cgcagggggc ggggtggggga cacgttaact 300
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 tcatgctcca ttgcgggccc ttcggtttcg tggctcccat gtccccctct ccacctccc 420
 ccaaacggc gcagcgtgac aagccatag ttccactccg gtggggggcga gagagaagca 480
 acaataagtt aaaagtgccg cctccctcca cctctttacc ttcattctta ccaaagtaac 540
 cttttttcat tgttctagag tcttgagggtg tgtgtgggga ggatggagga aganggaagg 600
 ttgnggncc 609

<210> 1889

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1889

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 tctaaataca taagatgcac actgaaagaa gagtaagtca gtccagattt agactataaa 120
 ttcaaagtgtg aaaattcaag catctgaaat gagagaggga gcacagcctt ttgaagaaaa 180
 ataaagcact aaatttaaaa agtattattt ttatttcagg aaagaagaag cctgagcttc 240
 caaaataact ttttcagact gtttattaac ccagtcaaac caagaaaaca aatgtacaat 300
 tagcttatta aaaataggga ctccaatatg ggcaacaaag caagaccctg tctctacaaa 360
 aaattaaata agtagctggg catggtcgtg ggcgccaata attctagcta ctcaggaagc 420
 tgagggtggga ggaccgcttg agcctgggag attgaggctg cagttagcta tgattgagt 480
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 cacttacatg ccaagtgtt tcgaatatga tatgtgactt aatcctgaac aaactagagt 660
 aatacaaact attattgctt tttagaatt cagtatttat ttatttatta aacagataag 720
 gaaatanggg ttttaaaact gcagaaagt ttagaaccag gatagaaact ttcatttttn 780
 ctttggtta aaagaatttt ttttttttt ttttgaaaa cgggggctta acttcttggc 840
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<210> 1890

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1890

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acccgcggca accccggcaa cccagggctc ggcgctcgctg ccaccatgac gggaagcaat   60
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gagcgcattg tcaacagcaa tggggagctg taccatgagc actgcttcgt gtgtgcccag   180
tgcttccggc ctttccccga ggggctcttc tatgagtttg aaggccggaa gtactgcgaa   240
cacgacttcc aaatgctgtt tgctccgtgc tgtggatcct gcggtgagtt catcattggc   300
cgcgatcatca aggccatgaa caacaactgg caccggggct gcttccgctg cgagctgtgt   360
gatgtggagc tggctgacct gggctttgtg aagaatgccg gcaggcatct ctgccggcct   420
tgccacaacc gtgagaaggc caaaggcctg ggcaagtaca tctgccagcg gtgccacctg   480
gtcatcgacg agcagcccct catgttcagg agcgacgcct accaccctga ccacttcaac   540
tgcacccact gtgggaagga gctgacagcc gaggcccgcg agctgaaggg tgagctctac   600
tgccctgcctg ccatgacaag atgggcgtcc ccatctgcgg ggcctgncgc cggccatcga   660
gggccgagtg gtcaacgcgc tgggcaacag tgcacgtgaa cactttgntg tgcaagtgtg   720
aaancattct gggcaccgcc tatagaagan ggctggctat g                           761

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<210> 1891

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1891

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aagatgtctt gtatggtctt aatctttgtt gtgtactatt tttttatagt ctttaagttat   60
aatgaaaaaa caaaaagtag gaaccaaaca taaaaggtct agtaaagcca aaaattaatt   120

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tcatattgat tttaaagtga tctagctgag tttttacact gaaagcaaag attatagcaa 180
 ttgtagtcca tggatatttat tttcagtcaa accaaagtta catataattc tgcctctgct 240
 tatacgggat attaacacta acaatacact cccttcaaag acttgacacag gccaaattgt 300
 tggaatgctg gttttcttga caattccaaa ccccaaaact atgataatga gttatgatgt 360
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 catgtgctgt gccaaagtctt gataatactt tttcccccaa ccaagggacc tcataacctg 480
 attatggtta ttgctttaca aacagttttg acagaagggtg gctgctagag cttaacatac 540
 gttcccgttc catgtgatgg aaccggttct tgcaaactaa gctcatcatt gattctttgc 600
 tgaagtcagc aaatagagtt agagagatac ccagtcattc atcacaccaa ataaaaggac 660
 ataacggctt tcaaaanggt tttcccactt acccaaaagg ctttctgaaa gcttctacct 720
 ctgcaaaaaa aaaaaaggaa nn 742

<210> 1892

<211> 882

<212> DNA

<213> Homo sapiens

<400> 1892

cttttagtga gagtaactgc caaaatatca aaagatcctt taattatcag gtatttgaat 60
 ccaggagttc tctgcttaaa aagaatacca gttaccagac tattgtatga gtatttaaaa 120
 aatcaggaaa agcagcaaaa acagatttca aagttattat attcatttta aaaaagtaga 180
 ttcttgaaat taatattagt ggaaagcaat atttcaaact acacccattt catttatagt 240
 atatgacgaa ttatgtagcc acggctggcc ttagggaaac ttggggcgta ggtagttctt 300
 tctggtgttc tgcttggtg tgtgtgcagg aggtttcttt ttctcagtct cctagggttg 360
 cccacggctt tctgtcagtc tgggtgctta caaggcttca cactctctat cctcttccag 420
 aaccaagcct ttctctttcc tccctttctt ttaatatata acatctgcat ctagaaaaat 480
 gtccttgcat ttgatagcac aatagattaa atgagataca aattggaaat aaacaggtag 540
 tcttggtggg aaactctttt taggtaggag tatcattccc agggccttag atcaagatct 600
 agaagctata aagggttata gtggtgttgt agaactttgn ctttagttga gctaaaaacg 660

gggttctcgt cacacaacca tgacaaatta ggctcacaga cactttgaag ggtgaccagg 720
 acaggggttt attggatgaa aaagggaaaa gaaggactat cagccaaagc cgaggaagcc 780
 cggctagccc agttttncac cttggcacac tggaattcca nggtactatg ctgcaacagg 840
 aaaaggccag gcttcttccc cactgcaaaa ggcgnggacc tt 882

<210> 1893

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1893

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 tcaagcggcc agctctgccc gaggagccca ggctgccccg tgagtcccat agttgctgca 180
 ggagtggagc catgagctgc gtcctgggtg gtgtcatccc cttggggctg ctgttcttgg 240
 tctgcggatc ccaaggctac ctcctgccc aacgtactct cttagaggag ctgctcagca 300
 aataccagca caacgagtct cactcccggg tccgcagagc catccccagg gaggacaagg 360
 aggagatcct catgctgcac aacaagcttc ggggccagggt gcagcctcag gcctccaaca 420
 tggagtacat gacctgggat gacgaactgg agaagtctgc tgcagcgtgg gccagtcagt 480
 gcatctggga gcacggggcc accagtctgc tgggtgtccat cgggcagaac ctgggcgctc 540
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 ctatgtgcac gcactacaca cagatagttt gggccaccac caacaagatc ggttgtgctg 720
 tgaacacctg ccggaagatg actgtctggg gagaagtttt gggaaaaccg gnctaatttg 780
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<210> 1894

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1894

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gtgcgttctt cgtctgccag ccggcttggc tagcgcgcgg cggccgtggc taaggctgct 60
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tcccaagcgg cgtggcccgc gggatcatggc caaaggagaa ggccgagaga gcggctccgc 180
ggcggggctg ctaccacca gcatacctcca aagcactgaa cgcccgcccc aggtgaaggt 240
gagggcccg caccgccgt ggagggcgag gggagggagg aggcggaaat gggggatcag 300
gggcgtcccc gggcggcct ggtcagggga ccattgggat agccagggac aggaagccta 360
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gccctcgccc ccctttgctc acccgcactc cacgctctgc ggagaggctc tgccggcagc 480
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atctctcacc ccctacctc cactccaccc acctactctt gcgcctcaac tctgctgtta 660
ggcccgctca agttcattca taagaacaag agctcttgct cttaaaggaa cccgcgttcc 720
ttangcattt tgtcttgaat tggttgattg ttccgcgccg ggnaaccgtg ctttttgcgc 780
cattng 786
```

<210> 1895

<211> 888

<212> DNA

<213> Homo sapiens

<400> 1895

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agaaaaaata gaaacacagg tcaggaaatt agcttatgac acctcagact gtgatacctca 60
caacagcact agtgaggtaa gtaataacct ggccctgttt tgtagattaa gaactgtggc 120
cctaagagggt aagggcacac acccgaggtc acgttgctat gtattgtgta atttgggaac 180
caacagcaag acatttcctt ttccctcaa acacattctt ttggtctaag cttgaaagcc 240
gcttcttccc aaagccttta gaattcctgg accacatgaa ttgctctgtc tataggcttt 300
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cctagcatcc tctctttccc ctttgatagc attttatccc tggtttaagg ggttgtaa 360
 cagtccgtct tccacatcag acagtagtct ctatgaaggc aggaaccctg tctatcttgt 420
 tcactcttgc cccttggtg gcatgtgctt agtataccta aatggtgact gaatggatga 480
 gtaatagcac acaagatcgg cagcaatgct ccagtgttta aagcaatcaa ggtattggaa 540
 catatcttct aattgtaatt ctttggtttt tgcagtgttc aacatttgct gttgtaataa 600
 tatatgaagc atttagactt gtagcttttg gggcagaaat gctcatagat gaactaccag 660
 gaactccact gtttccctgg ctttccctcc tttgggctgg ggattttaat aaactgtcag 720
 tcacagaacc atncccaatt ccccttgga cacacactag aacaataata tgaggaagt 780
 agcagcaatc tcaggaactt aacttancgt catcagatgg nagttttgga atgaccattt 840
 gcaacttcat gctggtgagt ttcccagatt tcccctggtg ctacttta 888

<210> 1896

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1896

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 tcattgtctg cgtcctcttc ctgctcttca ttctaggta catcgtggtg gggattgtgg 180
 cctggttgta tggagacccc cggcaagtcc tctaccccag gaactctact ggggcctact 240
 gtggcatggg ggagaacaaa gataagccgt atctcctgta cttcaacatc ttcagctgca 300
 tcctgtccag caacatcatc tcagttgctg agaacggcct acagtgcccc acacccagg 360
 tgtgtgtgtc ctctgcccc gaggacccat ggactgtggg aaaaaacgag ttctcacaga 420
 ctgttgggga agtcttctat aaaaaagca gcaacttttg tctgccaggg gtaccctgga 480
 atatgacggt gatcacaagc ctgcaacagg aactctgccc cagtttctc ctccccctg 540
 ctccagctct gggacgctgc ttccatgga ccaacattac tccaccggcg ctcccaggga 600
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ccctgggggt ggctctgggc ttgacctact gggtatcttg cttctgcgcc tggaggctgg 780
 gcccctgggtg ctgggtgctga tcctggagtg ctggcctnct ggcatacngg atctactact 840
 gctggganga gt 852

<210> 1897

<211> 917

<212> DNA

<213> Homo sapiens

<400> 1897

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 ttacatcatc tggcacaatg gccaaagcaac ttgggccaga ctctatatct gctatagagc 180
 ccgtttttgt ttcgggtttg acttgagaca agcagccctt gcaaactcct ttagtgagtc 240
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 actgtatttc ccttttagtg ataggaagta tatatatata gggcaacatg ccatttactg 360
 taaaaaggat gttttgacaa aaggaccaga agcattggac ccctataaac ttcattctatg 420
 ttataggtct ttgaatctgc tgaagtttat gtctcttctt ccagtatttt acttctgttc 480
 aatgttataa tattttacta tacttaagga acttgccact tcctgcttat ggggtaccact 540
 ttatgtaata ttattaatat attgaattaa catgatgttt tgcaaaatgt caattaaact 600
 gaaagcagaa gtgacagccc tgacagaaaa cagtgaagca gtgttcttgt tttaccaca 660
 ccaaagcaaa ttgntttgat tttcctccac aatgtgtgta gattaataaag cattagctaa 720
 atcaaaagcc gcatacaaag tgctggaaac cacattctgc tcagtgaaga taccacatcc 780
 tagagcgaat ggtgcaagtg tgacttaagt tatgctaagt ngcattcatc ctataatcca 840
 tctgggtttg acagaagncc attagggtaa ctggaataag gatttaaaat ggaccaaccg 900
 cccctgggaa cntttga 917

<210> 1898

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1898

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gctcaagcat ggcgggcgcg gcattgggca gtcctcagg ctcggcgtcc ccggccgtgg 60
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atgctgacaa catcctcagg tgcagggcaa cggggtcgga cggcggttac cggggtgggt 180
gggccgcggc acctgttctg gccagggact ggggcgtccg gcctgagctt cagagggcag 240
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ggtgggtttt aaaattttta attttttttc tgcccacttt tgntgattga aacattatag 720
tattttgaag ttacagtttt tatattaata cctggattct actatgtaac ataacccttt 780
aagaattcgt gganggaatc gccttgatg anagtaattt ccttnattct tcttgtca 838

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<210> 1899

<211> 915

<212> DNA

<213> Homo sapiens

<400> 1899

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aagcacaacc cgctttcact cttegaattt gtgcttagct cttttcttgt acctgcgac 180
tcgtgaccaa catgctgtga tgtgtgccga gggaggaatt ggtaagagtg agacggcgaa 240

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tccctctgac tgtcccagcc ttctgcttca ccgcccaccc gcttttcctt tctgtttctc 300
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 aactacagtt ctgggctgtt actgaactta aaaaaaaaaa caacaaaaga taaaatgatt 420
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 gttgattccc taaggttgat tccttaggaa gaaaaagggg ttgtattgga gctttctcgg 780
 aaatagtttt caaaggagtg ctacaaaaaa acccccatgc tttccccaaa acactaactt 840
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<210> 1900

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1900

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 atattaaaag cattgcatag taattgggga acacaaagga ggagaaactg tttcaagaaa 180
 ggatagaaat aaatgggtcaa ggcagacatg aagtagtggt ctgattagtt ttaagagaaa 240
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 taagggtcga aatgatcaga cttacattct agccaaaatg agtcagatga gtgttgatga 480
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 aactacattg taatcagtaa atgaagataa cgacaatatt ctcattaggg tacttactgg 600

ctgaaacaaa actaactttg tcaggccggt gcagtggctc acacccgtaa tcccagcact 660
 ttggggaggc tgangcagga ngatggcttg agcccaggag tttgagacca gcctgggcaa 720
 catagtgaaa ccccatcgct accaaaaaan aaaa 754

<210> 1901

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1901

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 ttctgagcag agtatctgac gaagcctctc tacagaaagt gaataaacgt tgttcagatg 180
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 ccagcgagta cctgagggcc ttaccccacg ctcacacctt gagagccctc tcttggggac 660
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 ctgaagattc ctggatcccc tctgctcata ctgggccagt ttcctcgcca cccgtcctgc 780
 tgactctggc caaactaaaa agactctcta ttnactttcc ttingnattt 830

<210> 1902

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1902

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cctagctgag gaagatccct cacttccgct cgccgcgcca ccggtccac ctccccgccc 120
cccgtgggt cctagcgccg gcccctgttt ggagggttcc gggctccgtc ggtgcgagga 180
gccgacgccg acgccacgga gtcagcaca gtctcatcag agaaaccccg ttcaccaagg 240
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gccgtacaa gtgcctgtcc tgtaccaaga catttccaaa cgcgccagg gcagcgcgcc 360
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cagagacaga agctaaggca gaggaagcca gtggggagaa ggtgtcaggc tccgcggcca 480
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gcttcatgca gcccgtgtgc ctgcgcgtgc acctggcctc gcacgtggc gaactgccct 660
tccgtgtgc gcactgcccg aaggcctatg gcgcgctctn caagctcaag atccaccagc 720
gtggccacac angcnagcgg 740

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<210> 1903

<211> 913

<212> DNA

<213> Homo sapiens

<400> 1903

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cgggcagatg tggatgatct gttcccaggg acttttgagg ttgtggagat ggtggccagc 60
aaccctggga catggctgat gcactgccat gtgactgacc atgtccatgc tggcatggag 120
accctcttca ctgttttttc tcgaacagaa cacttaagcc ctctcaccgt catcaccaaa 180
gagactgaaa aagcagtgcc cccagagac attgaagaag gcaatgtgaa gatgctgggc 240
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aagctacgac gcaataggag gtccatcctg gatgacagct tcaagcttct gtctttcaaa 420

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cagtaacatc tggagcctgg agatatacctc aggaagcaca tctgtagtgc actcccagca 480
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 gatgggtttc tacttctttc aaggctcagg aaatttact tttgaactga gggccaantg 840
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<210> 1904

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1904

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 ctttcctaag ggtgtgtgtg tgtgtgggtg tatctgtgtg tgtgtttgtg cgcacacaca 180
 cgctgtgtgca cagggtggt anagagttag ctctctggtg tctcttattg atnctttttc 240
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 cagctatggt ggcagactca ctaagagtgt catcctcaac taccctgtat tgcttgtggc 600
 atacctagac attctatggc cgaaagagct tgcattgtta aatatttcta tagttttagt 660
 ccttggcaca tggacttgag tccatttctc tgtcaaatgg ccgatagttg ntcctcanag 720
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<210> 1905

<211> 662

<212> DNA

<213> Homo sapiens

<400> 1905

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gggacgagga ggcgggccgcc atcctggagc acctggagta cgcgagcagag gcggaggcgg  180
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tcatcatcaa aggatgccgc tacgtggta tggcctgca aggcttcgct gcagcctact  420
ccgccccgtt tgcggtagcc accagcgtgg tacccttcgt gcgctaattg gagctgctgt  480
ggcagggtgcc cccagagtga acgggagccc ctgctgtggg aactttgtga atcctggagc  540
atctcagact tgaacacaca gcatatttgg aagagaaaac atgcctttct ttgntgaatc  600
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<210> 1906

<211> 874

<212> DNA

<213> Homo sapiens

<400> 1906

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ctagagagag gacatttcct gagtaaaatg aaaatcaaag ctaggagcta atcatatttt   60
taaagtcaga tatgttgggg gtataactgg aagctaattt ttaaaagaat cctgccatat  120
ctttgataag gaagttctat ggcttaaaga gtgtaaccac tagtttttagc agagatgttt  180

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ccttttagttt tgaacattc ttcaacattt caggttcatg atgaaaaatg gctgactgga 240
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 caaatctggg ttaaacaggt tcgagttttt ccagagcaca ctgttttagga tttcagcttc 600
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 tccccgccac ttgaccaa agctgaatat catcccaaac tctggatcct tctgacgggc 720
 atttgtgtgg acacaggga ggggtgcatt atgaatatgc aattacctgg catggaatgg 780
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<210> 1907

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1907

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 tcatgaactg gctgatatgt agatggtgtt ttgtgttgt tgtgttact ataggagttt 180
 aatacagaaa tattttaaaa ttagcaaatt ttagaaacag agattatgca tgtcacttga 240
 atataactgt agggcaaact tgtcaggagt ggagtagcag tggttctctc cagagagtgc 300
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 ctggctcttt ttagcattta gacttgtagc tgcctaagta aattcaagt ctgtgggttg 420
 ttataggtat gctgagatag tgattttctc tgacacttgg agaattgatg gaataaagtt 480
 ggagatgcc cagttagcct ttggtaact tcaggcacag cctggcattc ccaggatgt 540
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agctgttgaa gactgccaac tcttaaaggc cttccacaga catagaagaa agaaatctac 660
atgttcttta ccaggcgggt gcctctaate ccacctactc gggagggtca ngcaggagaa 720
tcacttgaac tcgggaagtc gaggntgcag tgagcccgag atcgaccac tgngcttcag 780
cccagccgac agtgtgagac tccgct 806

<210> 1908

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1908

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tgccccact ggcgccctgc ggcccccgga cgccgccttg ctgcggccga gcttctcagt 180
ggtatccctt gaaatactga cttcaggtcg aattatattg aaaagctcct gaccactttc 240
tttcattacc aaaactttgt agctgatgtc caaccgatga acccaccacc gtgaacccat 300
cagacctctc tcagatagcc ataaaagacc cttccaagtc aattttgacc acatctttgc 360
ttgcacttta tggaggatga aaccatcaaa ccaaataaac gttgctgcta atacaagagt 420
cttagaggca gcaaattaaa aatttgaaca tttgtttgtg aagaactata acaggacatg 480
aaagggtgtc ttttttaaag tggtcagaac cctgtggaag tttcgtgcag tcttcagact 540
caaactcttcg tcttcacccc cggggcaagc tcagtgacta ttatatgggt ggtgtgtttc 600
cttaccagcg tgagtatgag tgcccagact tnccagcag agaagggcct gaatccgggg 660
ctgatgtgcc aggaaagtta cncttgcagc gggactgatg aagctatctt tgatgtgatg 720
agtgtgcan tctgcaatgt cttccgctgc na 752

<210> 1909

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1909

atacaaaaaa attagccggg catggtggtg ggtgcctgta atcccagcta ctcgggaggc	60
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ctccaactgt gcaccacagc gagaccccat ctcaaaaaaa aaaataataa taataataaa	180
atcatctctg ccccaaagct atttcctcag atgcaaacat tttccttgac catagccaat	240
taacctctca acatctaate cacctccctt tggaactggc tgataccttg agaaaccttt	300
cttctccaca gagggctctgc cagttcagat gctgaaaagt ttttctatct ggagaaaccc	360
ataagccata ctattagacc tatgccccaa agagctaagc taagttaaac acacagtgtt	420
tacaaatgag cagctgaaaa ggcacacaag cttaagttgc agaagacaca cacttgattt	480
tccttgctat ggagggccct ttagaacatt ccctacaaag ttattttaga atgtgaagag	540
acagctggga gcggtggctt gagtctctaa tcccagtact ttgggaggcc aaggcgggca	600
gattgcttga gccaggagt ttgagactag cctgggcaac atagtgaagc cctggctctct	660
acaaaaaata gaaaaaaaat tagccgggtt tggtagcatg cgcctagacc cagctactgg	720
gangctaagg tggganggat ggctttgagc ctgggangca	760

<210> 1910

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1910

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attgcattaa tgattaatca ttttaatgca ttttgatagt ataaaaagac gcctttatta	120
tgtgtgtgtc tctataccaa taacagagct tagtgaactt tgaattactt gcttggcaat	180
tgttttttga agttgtcagc tgtatttgca aatttgcttg tttcagttta gaaccaggct	240
tttcccagca gagacactta attgacattt ggggccagat aattcatagt tggacgggca	300
ggctgtcctg tgtatagcaa caaagatggc ctccactcac tagatgccag tagtagtacc	360
cttatcccc accacctagt tgcgacctag ttgccacacc aaaatgccac cagtcatttg	420

caattttttt ttgtccccta cctctggggg acaaaaatct cacagttgag aatcactgct 480
 ttagaacaaa atttgctata ggtgacctta gagatggaag tagggattgg tggtagaaag 540
 gggtttgttt tagagcatac agaattattgg tatggtatgt tgaattgtat aacaattgta 600
 taataattag gaaaagtcag ttgnttaatg cgattattag gggaagtagc cagatcttag 660
 gaaagcctgt tttaaacctg aaatcggccg ggcnnccggg gt 702

<210> 1911

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1911

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 ggccatttca acccatccca ctccacgaat actcagctca gtcttagcat tggacatcag 180
 tagcaagcaa ctagatgctc ccacctcagg aagcttctaa ttttgtgggg actaccctg 240
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 tagtaagtca atgacgggca gcagcaagcc aggcttctat tataagtaata ataatcagat 420
 aaccaataat cactgaggat tctgtacatt ccaaagccat gccagggggg ggggccacgc 480
 gggaggcccg ggttcgtttc ccggccaatg caccacagcg gccttgggtt tgggctccag 540
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 agctaacttg cccttcgngc cattccacgc caccaggaag cgcaccggtg cctntcggga 660
 tcggcgaaaa gccttgccgg acccggcgcc cagcccttca gctgtcgagc tgtcgtcctc 720
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<210> 1912

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1912

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ctccagcctg ggcaacagag caagattccg tctcataaaa caaaaaaaaaa ttatgagatt 180
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caccacagca taaagccttc ctccattctt gcagtggcgt gggatcaggg aacagaaact 300
cattttcatc ctactgttgt ggggaacctt tcagtacttc ctacagggca ggaggacgcc 360
aacatgcgac caccttcctc cctcgcgga cctccgactc ccgcccagcc caggcgcccc 420
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gccccctctt gtaggacttc tgagcctcac ccccgagccc tcgtaagata cctgtggagc 540
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tttgctggaa cggctgcatg cacacagcac tgggcacaa cagctctgca gtgccccatga 720
ctggtcacca tgcagccct taacacggaa cagggggcaa cancaccatg aatatncttc 780
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797

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<210> 1913

<211> 822

<212> DNA

<213> Homo sapiens

<400> 1913

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attcgaggat ttgatattc aggggggttc tggaacaaat ctggatactg agggatggct 180
ctacagcctt tcagaattaa attttctatg attttaatgg ttctttcaaa gaccatgaca 240
gtaatcactg acgcctgttg ctttacaat ctgcttgtag aagtaacatt tccatgatta 300

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tatgtacaag taaaaaatc ccactataca aataacaaat ccaagatcag tgaaattgag 360
 tacgatgaca attaaaatgg ttgcataaa tgcctataa cacatggaac acatgattca 420
 tcctcttgct aatgttccca gtttggcatc ttctaagatc atattatttg agcacaattc 480
 ttgatgcaga atcatctctc tgttccccta ctgccttggt agagggaaca tttcctcctt 540
 atgtgtctta gaatatTTTT acctaacatg cttaaacaaa acaaatttca ttcttaacat 600
 caggctctga aagttccttt tagttagcat ttgctatatt gacagctggg ttgacaagta 660
 catatTTTtag cataagaaaa aaacagcagg ccgggtgcag tggcccttgc ttgtaatccc 720
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<210> 1914

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1914

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 tcacagtatg taatttgggt gtacaaaatg cctgtagttg aaagtgcctt actcctctgc 180
 agtggcaagc tgagcttctt gttggctgat tccttatggt tgcagtaaag aggctgggtg 240
 cagttagaaa gaaagcatcc atctagtaag tgcattcaca tcaccttca aatgccatag 300
 gccttagctc caggacattt tctgcctgtc tcttccctc cctccttctt tcttttctt 360
 ctctccttcc ctctttcctt tgttcttctt tcttccctc ccttccctc cttttcttcc 420
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 aagcttgga ataaatagga gagcttacgc ttttaactac tagcctgcga ttcgtataat 660
 catgttagnt tgagaaacac ttcagtaatc acacatgtaa nggctttgga gtaagatgga 720
 ccttgggtat ncaacgctta ctggg 745

<210> 1915

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1915

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ccagcattgt gttagtgccg ggaggccact gtgtcagcaa gctgagaggg aaactgaagc 180
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cacatcttgc tggcagttgc caatgacgag gagctcaacc agctgctaaa aggagtgacc 480
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tccaaaccaa aggacagcga ttaagaagga acttcaaatt ccacctctga agatggccan 720
gggatggatt caccattctg tcttctaaaa ccttgntctg ggacagaact gtcntaacc 780
agatgacata gccatatg ttcatgaga 809

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<210> 1916

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1916

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aagtgggtct gtgcacagnc ctcagccaga aggcgaccaa tcacaacctt catatcacag 780
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<210> 1917

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1917

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gtcgattaaa aatttaattt ttttttgaga tggagtctca ctctgtcacc cagggttaga 180
atatcaaaat atctaattta tatctaata tatgggttag gatatctaac ccatatgatt 240
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ccctagctag agagaaagag ccattctaata gaagatTTTT gcagttagat acttagttat 360
tggtttttcc aaaaggaatc caatttactt ttgctgtgag ctattttgac aaatagttag 420
aactctgaaa gttaatagtt tgtatcttct ttaggggtat cgctggagaa tttccccctc 480
tgtaaagaat tgctcattcc acctggaacc caaaactata tggatgagaat gcgactctat 540

gacgtcaacc gtcggcagct gaacctcacc atccggattg tgtgtcgagc agaaggatcc 600
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 aatggagcca atgcaaatac attacttcaa cagtctgagc tgctggaaca ttncgtcttn 780
 catcataaat gcttaatcat gctcaaaact ggctttttan gcaagaactg agcccactaa 840
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<210> 1918

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1918

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 tttcttcccc tctgttcctt cccccaatca ttctcttctc tattctatgt ctctgaagct 180
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 Dctccaaaaag aggtcttctt tcctttcttc ttatttgaat ctttaatagg ccatttgcatt 480
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 gaaatanntt cagttatgag ccatagagtc tctggtgcag ctattcaact gtgccgaaaa 840
 gcagccncag acagtaagga 860

<210> 1919

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1919

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gtttagaga taaatgaaa gttcacagag ttacttttgg caattaccaa ttgtgaggag 60
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tgtcctgtga agtacagct gagatctggg gaagaaaaat ttcctggagt tgtacgcttc 180
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cctttgaaa taaactccag agtttctttg aaggttggag aaacaataga atctggaaca 480
gttatattct gtgatgtttt gccaggaaaa gaaagcttag gatattttgt tgggtgtggac 540
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gcgtgtgttg aaagtacaat tctattgcac atcaatgata tcatcccaga gagtgtgacg 660
cangaaagga ggcctccaaa cttgccttta tgtcaagagg tgttggggac aaaggttcac 720
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<210> 1920

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1920

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gacctccac ctcagcctcc caaaatgcc a gaattaacag atgtgagcta ccgatccag 240
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 cactgctaag acacttcatt ttggcatgca ccattttgga agatctcaaa atccttttcg 780
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<210> 1921

<211> 772

<212> DNA

<213> Homo sapiens

<400> 1921

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 ctacggccat aaatgcccgg agattagcgg agaagctccg agcccagaaa cgggaacaag 180
 acacaaagaa ggagccggtg tccacaaacg ctgttcagcg gagagtgcaa gaaatagtgc 240
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 atggtggccc tgggggtccag ctctgcatca ctgatgtact acctatcctg gcaaagatgc 420
 ttcattggcca caaggcagag cccttgcatc tgtgccaccg gctggacaag gaaaccacag 480
 gtgtaatggt gttggcttgg gacaaggaca tggcacatca agtccaagag ttgttttagaa 540
 cccgtcaggt ggtgaagaag tactgggcca tcaactgtgca tgtcccatg ccctcagcag 600

gagtcgtgga catccccatt gtggagaagg aggcgcaagg ccagcagcaa caccacaaga 660
 tgacattgtc cccgagctac cgnatggacg atgggaaaat ggtgaaagtg cggcgcaacc 720
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<210> 1922

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1922

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 actacggttt ctggttgtgt tccaagtgg gaatatgggc tgttcacgac ctcggaatgt 180
 agaatgccct cattatttat tcagtagaca tccaataaat gcggatcaac agcttgccta 240
 tctttgatag tttttggcag tgtgtgctgg ttttaatctt tgtacttgtc ccataagtga 300
 ccccatgact agagagtggg ctcttccatc ttgtaagagc cttctgttca cgttctgttc 360
 tttttatgag aaggaagttc cagtgcatac cccaacataa agagaaacgt tgaatacgta 420
 ctgtttttct cttatatata tgctcaaaat aacgactgta gtaaacagtc gtcattgatta 480
 taggatgaat tacgcagcca ttcataagatt tttgtagttg tcatttaca gtggactatg 540
 caatagtcca taggcttatg aatacataat ctaacaatat tagctgggtg cagtggctca 600
 cacctgaaat cccagcactt ancgaggcca aggtagcttg attgctagag cccaggagtt 660
 caagactagc ccgggcaaag ggcaaaaccc catctctaca aaaactacaa aaagaaatta 720
 gccgggcatg gtggtgcttn ccgggagtcc cagctacttg ggangcaaan gtgggaaggc 780
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<210> 1923

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1923

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 atcccagcac tttgggaggc agaggcgggc ggatcacgag gtcaggagat taagaccatc 180
 ctgattaaca tggtgaaacc cgtctctac taaaaatata aagagttggc cggatgtggt 240
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 ggaggcggag gttgcagtga gccgagatcg cgccactgca ctccagcctg ggtgacaggg 360
 cgagactctg tctcaaagaa aaaagaggaa aaaaagaaaa aagactttct tattaagaga 420
 gcattataca ggccaggcgc ggtggctcat gcctgtaatc tcagcacttt gggaggccga 480
 ggagggtgga tcacgaggtc aggagatcga gaccatcctg gctaacatgg tgaaatcccg 540
 tctctactaa aaatacaaaa aattagcggg gcgtgatggc gggcgtctgt agtcccggct 600
 actcgggcgg ctgangcagg agaattggagt gagcctggga ggcggancct gcaacgggct 660
 gagatctcac cactgnactt caacctgggc aacagagcga gacttcgtct caaagagaga 720
 gagagacagc attatncaga gaacaaattg ggtagacttt tttagaatga tagantgcag 780
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<210> 1924

<211> 688

<212> DNA

<213> Homo sapiens

<400> 1924

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 cagtacaaa accacactaa ataagttttg atttcctggg cttccttggt ttatgttgaa 180
 attggtggtg aggctcagta atagtttctt aaatgttaag gctagaagtt gtacaccacc 240
 tagtggctgt gtacattaaa acaggaagca gaaaccggcc aggaagaggg agccggatct 300
 ggatgtgtct attggagtga ctgcagcact ccatatagaa cctgggcatt gctctcttta 360

tttttaattg aagtaaaatt tgngatagca ttttaciaat tgaaaatagc tgtgtcattt 420
 aaaaaattcc cattaaattt gttcccagta cccctcatgt ttccagtgat ttccttctac 480
 tctgtcagtg tgcggttaag ccgtatagac tcattttaat actaatgtca gccaaataaa 540
 attaataagt taaacttatt tcccttatca ttatatacat cctaaagcca atgtatttta 600
 aaattgcttg tccattgcct gctctccttt gataaaaatt gtagnttcac ttagcatatg 660
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<210> 1925

<211> 674

<212> DNA

<213> Homo sapiens

<400> 1925

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 agctcgtcac cagggccctc cagctggtgc agtttgactg tagccctgag ctgttcaaga 180
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 cgttctttta tatgctggat gagctgctga agcccaccga attagtccca cagaacaacg 480
 ggaagcttca ggagagcccc tgcatcttcg cattgacgcc aagacaggtg gagttgatcc 540
 ggaactccag ggaactgcag cccggagtta aagccgtgca ggtcgtcctg agaatctgtt 600
 actcagacac cagctgccct nangaggacc agtaccgggc caacatcgct tgtgaaggtc 660
 aaccacagnt actg 674

<210> 1926

<211> 625

<212> DNA

<213> Homo sapiens

<400> 1926

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 agactcctac ggatgccagt ggagacgttg tgggcctggg tctgctgcc actccccagt 180
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 tttaatatga ttgtagctgc tgctttgata aatcaaaata attaaaaata ataaatttga 540
 ttcctcaacc aacaggctgt gtgtgggcgc agggcctggg ctgccnagtc agggccgang 600
 aggtgggagt gggcacggng acaca 625

<210> 1927

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1927

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 acatgctaga tctgggctag gagacttggg ttctaggcct ggctctacct tgaacttgct 180
 ctgagacctt gggcaagtca ctatacatct ctgggcctct aatttttcat gtgtagaaat 240
 aggaggctaa ggaaaaagat taaattagca tttcgtagat cactaggtat catatcaggc 300
 atttcacag catcatctca ttactcaac aaagattaat ggatgtctac agtgtgatac 360
 agcctgtctt caagcagcaa tcaattttaga agggaagaca gccctaggat ctaaaagcat 420
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tagagtccta tgattataag ttttgaacag attgttttat tttaaaaatg cccttgaaaa 540
 ctggaatgtg cttacaaata ttttaggctc aaatcaggat gaattgacta tattgcagta 600
 ctttctggaa tatgctgtat ttcccaaate tgcattaccc cacattccaa taattgctgg 660
 tggctctctgc tttttgctta gcccaaccaa gtataaaaag cttccaggac tccttgacgc 720
 cactgggcta gactgcccac aagaccacaa cttccatact attagagaga aagacctcta 780
 gttccttttc cctttggtgg atctggtccc tttcttatat atcgagacta ttatgaaccc 840
 gtaaccacaa tttcttnca 859

<210> 1928

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1928

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 gactcctccc ttatggctgg gatcatttac tatagccagg aaaagtactt ccaccatgtg 180
 cagcaggctg cagctgtggg cctggaaaaa ttcagcaatg accctgtgtt gaagttcttt 240
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 ggccctggag gtggtgaacc agatcactgt gacttcaggg agcttcctgc cagccctcgt 360
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 cagaatccta gaaaaagatg agagcaatat tgatgcctgc caaattctaa ccgtgcatga 480
 gcttgcaaga gaaggaaaca tgaccacagt aagttctttg aagactcaga aggtgatcct 540
 tgaaacagaa tcaaggagga acccttcatg acctgtgcac ctgacccaaa gcccttgtag 600
 ggagctcctg gatctcagct tctcttttct accccacccc tatactcgct gccaaaggagg 660
 cctgctctgg tttgactctt tgagttgtgt ancttgggag tcangcanca ttaggcagtg 720
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<210> 1929

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1929

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cctttgaaac ctcgtcatta attggacaca gtgccagant gtatgcactt tactacaaag 660
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<210> 1930

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1930

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cgaaggcgtc cttacagctg atatttttcc agctgcctat ctccccagag cgtggagcgg 180
cctccagagt ggggtcaggg atggggcgag agggccagac ctgcctgggc cgggcagctc 240
agcatctctc tgagctgctg aacacctatg gaggctgtgc tcatgttcac tgggtggtgtg 300

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actttgtgtg accttgccac ttcactcttt cacagcctcg tttcctttat ctgtcaaagt 360
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 ggtaggggtg acctcaggac ccgnactgtc tgcccatgac caaggagtga gactgcttgg 720
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<210> 1931

<211> 707

<212> DNA

<213> Homo sapiens

<400> 1931

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 aatttctatc ctttttaagg ctaaatgacc cattgtatgt acgtatcact gtttatctat 360
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 caatggctca tgcctgtaat cccagcactt tggaagggtg aggtgggcag atctcttgag 480
 gtcaggagtt cgagaccagc ctggccaaca tggcaaatcc catttctact aaaaatacaa 540
 aaattagccg ggctgtgttg caggcgccta taatcccagc ttcttgggag gctgtggcag 600
 gaaaatcact tgaaccccgg aggcggaggt tgcagtgagc caagactgtg gccactggac 660
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<210> 1932

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1932

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cgtccnggc actgcnggaa cattg 865
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<210> 1933

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1933

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gaaaaaagtc gtggggactg agttcaggac accctgaaac tatgcgacca gtaatttttt 60
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